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INDEPENDENT ENGINEERING REPORT OF SECOND EXPANSION PROJECT OF STEEL MANUFACTURING PLANT

SITUATED AT

PLOT NO. AL-05, SECTOR-23, GIDA INDUSTRIAL AREA, SAHJANWA, DISTRICT
GORAKHPUR - 273209, UTTAR PRADESH

COMPANY/PROMOTER

M/S. GALLANTT ISPAT LIMITED

REPORT PREPARED FOR

THE PRADESHIYA INDUSTRIAL & INVESTMENT CORPORATION OF U.P.

LIMITED (PICUP), PICUP BHAWAN, GOMTI NAGAR, LUCKNOW-226010 (INDIA)

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- Business/ Enterprise/ Equity Valuations
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M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

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INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

PART A

REPORT SUMMARY

1. Name of the Project : Second Expansion Project of Steel Manufacturing Plant for added capacity of 1,98,000 TPA along with Captive Power Plant capacity addition of 25 MW.
2. Project Location : Plot No. AL-05, Sector-23, GIDA Industrial Area, Sahjanwa, Gorakhpur District, Uttar Pradesh
3. Name of the Company/Promoter : M/s. Gallantt Ispat Limited
Gallantt Landmark, Bank Road, District Gorakhpur, 273001, Uttar Pradesh
4. Prepared for Organization : The Pradeshiya Industrial & Investment Corporation of U.P. Ltd. (PICUP)
PICUP Bhawan, Gomti Nagar, Lucknow
5. Chartered Engineer Firm : M/s. R.K. Associates Valuers & Techno Engineering Consultants (P) Ltd.
6. Date of Survey : February 14, 2023
7. Date of Report : October 12, 2023
8. Report Type : Independent Engineering Report
9. Purpose of the Report : To examine the installation & verification of Capital expenditure status of the Project in regard to the special facilities & incentives given to the companies Expansion Project under Industrial Investment & Employment Promotion Policy 2017.

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- 10. Scope of the Report** : The scope of this report includes only the assessment & verification of installation, commissioning and capital expenditure incurred in Phase-I, Phase-II & Phase-III (WIP) of the Project namely Gallantt Ispat Limited located at Sahjanwa, Gorakhpur, Uttar Pradesh.
- 11. Documents produced for Perusal** :
a. Detailed Project Report
b. Copies of Project Contracts
c. List of Invoices with Description of the Items
d. Invoices of Items
f. CA Certificate (w.r.t. investment)
g. Information received on e-mail
- 12. Annexure with the Report** :
1. Work Orders Copies
2. Detailed List of Items
3. Photographs
4. Other annexures



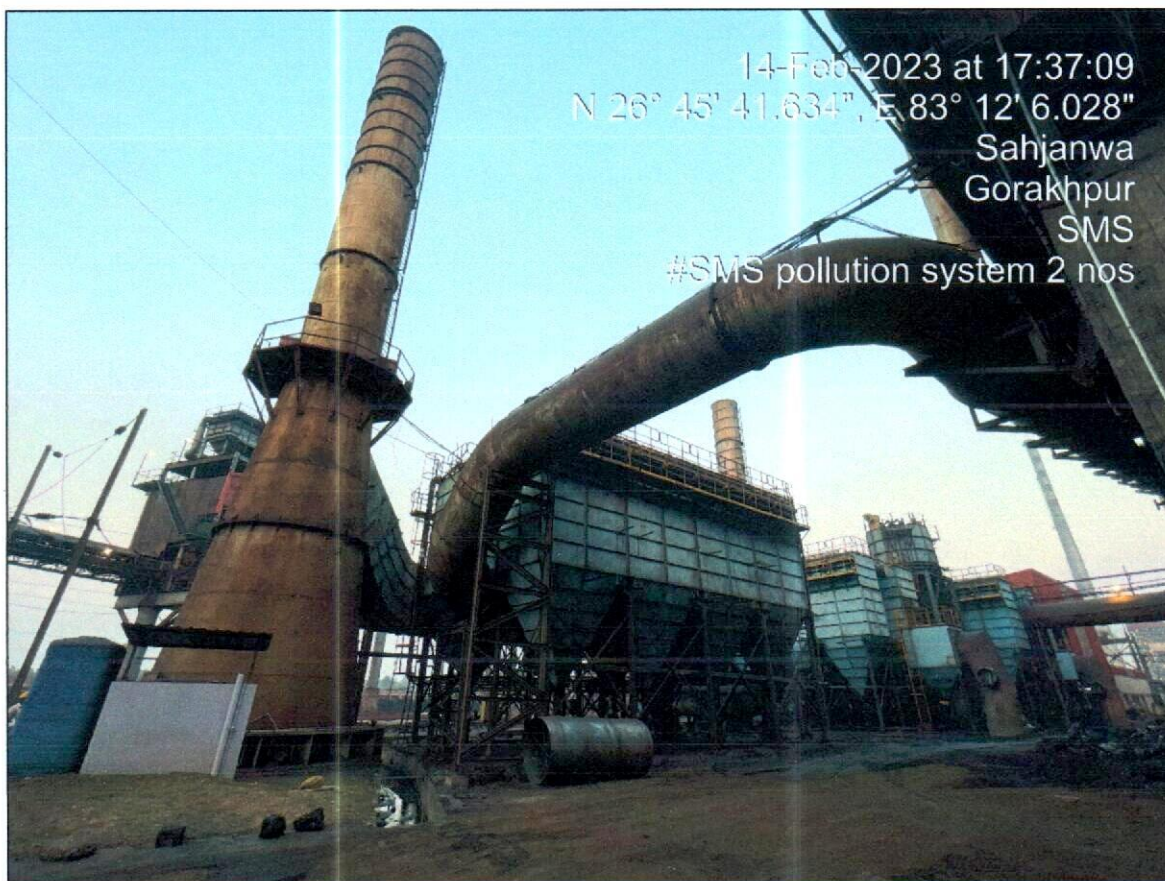
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PART B

INTRODUCTION

1. **NAME OF THE PROJECT:** Second Expansion Project of Steel Manufacturing Plant for added capacity of 3,23,400 TPA in four phases out of which 1,98,000 TPA along with Captive Power Plant capacity addition of 25 MW which has been set-up by Gallantt Ispat Limited (GIL) at Sahjanwa, Gorakhpur District of Uttar Pradesh.



2. **PROJECT OVERVIEW:** Gallant Ispat Ltd. is presently operating an integrated steel plant at GIDA Industrial area, Sahjawana, Gorakhpur, Uttar Pradesh. Company was granted Letter of Comfort vide Corporation ref. no. PICUP/Mega Project/ Gallant/258 dated: 09.07.2015 for their expansion mega project of existing integrated steel plant/ power plant for increase in production of sponge iron, steel, billets, MS bars, etc. along with captive power production of 25 MW with capital investment of Rs.378 Crore The first expansion assessment upto 31.03.2018 was already covered by us in our report ref. no. RKA/FY18-19/794 dated: 01.04.2019.

Further to it, the company was issued another Letter of Comfort (LoC) dated 14.11.2018 subsequent revised LoC dated 7.1.2022 under Industrial Investment & Employment

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Promotion Policy 2017 by Govt. of U.P for expansion & backward integration of existing steel plant (**hereinafter referred as “the second expansion”**) with a capital investment of Rs.850.62 Crore in four phases at Plot No. AL-5, Sector-23, GIDA, Sahjanwa, District-Gorakhpur from 01.04.2018 onwards.

The company informed that they have implemented the **Phase-I & Phase-II of the second expansion project and Phase-III is in progress** with a **total investment of Rs.535.41 Crore** during the **period 01.04.2018 to 31.03.2022** in the project to PICUP.

Therefore, PICUP has engaged R.K Associates for the assessment and verification of the factual position of investment (*phase wise*) made by the company from cut-off date 1/04/2018 till achieving the threshold of investment of Rs. 500 Crore or more (*for Super Mega category projects*) as per provisions/requirements (*para 2.3.2 and 2.9*) of the GO dated 25/10/2017 pertaining to the scheme.

This is second expansion brown field Project of an existing running unit of Gallantt Ispat Ltd. (GIL). Existing running unit mainly consists of Steel Melt Shop (SMS), Rolling Mill (Rebar Mill), Direct Reduce Iron (DRI) and Captive Power Plant (CPP).

Company has proposed expansion of the capacity of the existing facilities in four phases out of which details of two phases mainly Steel Melt Shop (SMS), Rolling Mill (Rebar Mill) in Phase-I and Direct Reduce Iron (DRI) and Captive Power Plant (CPP) in Phase-II as per the below table. Currently Phase-I & Phase-II have been completed and Phase-III is under progress which includes the Pellet Plant.

Project Summary of the existing Unit and the expansion Project:

Product (s) Units	Existing Capacity	Proposed Expansion Capacity				Capacity (in Mts.)
		Phase-I	Phase-II	Phase-III	Phase-IV	Total Capacity after expansion
Steel Billet	330000	1,98,000	---	---	1,25,400	6,53,400
Rolling Mill	330000	1,98,000	---	---	1,32,000	6,60,000
Electricity (Power)	53 MW	---	25 MW	---	---	78 MW
Sponge Iron	297000	---	2,47,500	---	1,15,500	6,60,000
Pellet	---	---	---	7,92,000	---	7,92,000

Source: DPR report

Presently, work on Phase-I & Phase-II has been completed and Phase-III work is in progress. Accordingly, it has been analyzed and verified in this report.

As per the Detailed Project Report, the total project cost for second expansion is estimated to be Rs.850.62 Crore in four phases. The amount estimated in Phase I is Rs.188.97 Crore, Rs.241.03 Crore in Phase-II, Rs.190.35 Crore in Phase-III (which is under progress) and Rs.230.27 Crore in Phase-IV (yet to be started).

The Project Cost for Phase-I is Rs.188.97 Crore and for Phase-II is Rs.241.03 Crore out of which the company has shown to have invested Rs.187.95 Crore in Phase-I, Rs.252.64 Crore in Phase-II and Rs.94.82 Crore in Phase-III (CWIP). However, IE has approved the total cost is **Rs.504.02 Crore** [Rs.175.50 Crore in Phase-I, Rs.242.31 Crore in Phase-II and Rs.86.21 Crore in Phase-III (CWIP)]. Detailed information regarding the expenditure in various heads like Land, Buildings, Plant & Machinery etc. was sought from the company and also cross-verified during the site survey. All these details are enumerated in further sections of the report.

The scope of this report includes only the assessment & verification of installation, commissioning and capital expenditure incurred till achieving the threshold of investment of Rs.500 Crore or more in different phases of the project namely Gallantt Ispat Limited located at Sahjanwa, Gorakhpur, Uttar Pradesh. As per the details provided by the company, the threshold of Rs.500 Crore was achieved on 01.04.2022.

Company has obtained some preliminary statutory, non-statutory approvals & clearances (Petroleum & explosive storage license, Boiler License, etc.) and Building Plan Approval is yet to be obtained from Assistant Director of Factories, Gorakhpur.

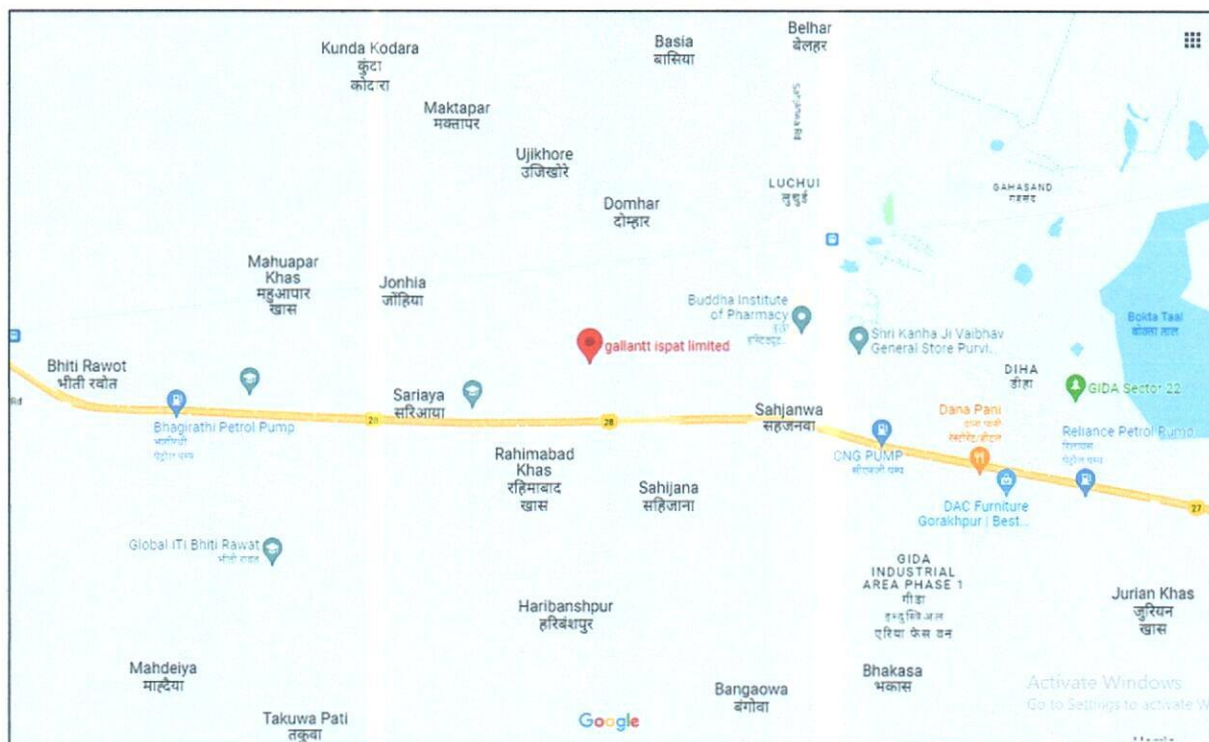
GIL is presently operating on the land parcel measuring 112.69 acres (acquired 116.86 acres of land in GIDA Industrial Area in which 4.170 acres of land has been surrendered to the GIDA later) bounded for Plant purpose. This piece of land was already acquired prior to 1.04.2018. The existing plant has already been running on this land and proposed expansion facilities are also setup on the existing portion of this piece of land which was earlier used as a green area. Further, GIL has acquired additional land parcel measuring 6.2 acres in between 01.04.2018 upto 31.03.2021 and 4.47 acres of land upto 31.03.2022 totaling 10.67 acres of land upto 31.03.2022. In replacement of the existing land which is

utilised in the present Project, company has bought additional land across the road adjacent to the Plant which will be used for future expansion.

3. **PROJECT LOCATION:** The plant is located in about 112.69 acres of land in GIDA Industrial Area in Gorakhpur District of Uttar Pradesh, India. Further, the company has acquired another 10.67 acres of land in two phases (6.2 acres and 4.47 acres) as on 31.03.2022.

Plant site is around 20 Kms. from Gorakhpur city and the plant boundary is right on National Highway No. 24 (Gorakhpur - Delhi Highway).

The nearest city is Gorakhpur around 20 kms from the plant site. The nearest airport is Gorakhpur Airport which is around 21 kms from plant site. Sahjanwa Railway station is the nearest railway station around 3 kms from the plant for the transportation of raw materials as well as finished products.



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- 4. SCOPE OF THE REPORT:** To verify and examine the commissioning, installation and capital expenditure incurred till achieving the threshold of investment of Rs.500 Crore or more in different phases of the project established by Gallantt Ispat Limited in regard to availing special facilities & incentives given to Mega Projects under Industrial Investment & Employment Promotion Policy 2017 of Govt. of U.P.

All the assessment carried out for the project is done based on the documents provided to us and its correlation by the Engineering team through site inspection and various other discussions with the project proponents and its able resources and thus forming an opinion out of it.

- 5. PURPOSE OF THE REPORT:** To provide a comprehensive overview of the current status of the project in terms of its physical progress and capital expenditure incurred to help PICUP to take informed business decision on the project in relation to special facilities & incentives given to Mega Projects under Industrial Investment & Employment Promotion Policy 2017 of Govt. of U.P.
- 6. SURVEY DETAILS:** This plant has been surveyed by our Engineering team comprising of Civil & Mechanical Engineers on February 14, 2023. Site inspection was done in the presence of the plant representatives. All the details pertaining to physical setup and

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progress of the plant have been cross checked as per the documents/ information provided to us.

Team visited different sections of the plant such as SMS, DRI, CPP, Rolling, Pellet etc. The plant and all its installed machinery equipments are found to be operational and in working condition.

The photographs have been taken of all different sections of the plant to give a clear visual representation of the plant establishment.

Comparison has also been drawn that what was already established prior to 01.04.2018 and physical changes and progress in the Plant post 01.04.2018.

As per the discussion during the survey, the Phase-I was completed on 01.04.2021 and Phase-II was completed on 01.04.2022. Also, at the time of survey, the part of the plant under expansion of Phase-I & Phase-II was found operational and the expansion of Phase-III is in progress.

7. METHADODOLOGY ADOPTED:

- a. Study of Detailed Project Report to know the Project proposed plan & estimates.
- b. Study of Project Work Orders, Purchase Orders & Invoices.
- c. Site visit by our engineering team to assess the project execution status on the ground at the site.
- d. Various documents and information collected from the company through e-mail.
- e. Study and analysis of the documents and information obtained from the company and their correlation with the observations during site survey.
- f. Other information obtained regarding the project from the sources in the public domain.



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PART C

PROJECT TECHNICAL DETAILS

- 1. PLANT CAPACITY:** Total steel manufacturing capacity of the plant is distributed among several sections for the manufacturing of different products. After expansion and upgradation this plant will be elevated to the following capacity as described in the below table:

Product (s) Units	Existing Capacity	Proposed Expansion Capacity				Total Capacity after expansion
		Phase-I	Phase-II	Phase-III	Phase-IV	
Steel Billet	330000	1,98,000	---	---	1,25,400	6,53,400
Rolling Mill	330000	1,98,000	---	---	1,32,000	6,60,000
Electricity (Power)	53 MW	---	25 MW	---	---	78 MW
Sponge Iron	297000	---	2,47,500	---	1,15,500	6,60,000
Pellet	---	---	---	7,92,000	---	7,92,000

Capacity (in Mts.)

Source: DPR report

- 2. PLANT PRODUCTION CHART:** During the survey, we have taken the plant production chart from the company as mentioned below:

Particulars	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Gross Power Production	3,30,71,048	2,61,03,896	2,49,96,248	2,54,93,541	2,44,97,642	2,35,25,765	1,83,89,042	2,45,66,870	2,46,31,632	2,41,40,868	2,55,95,616	2,45,20,740
Losses	38,13,047	32,18,690	27,32,858	(29,90,768)	32,02,354	31,88,821	27,45,624	34,46,508	34,62,064	31,76,086	34,04,293	35,07,482
Power Production	2,92,58,001	2,28,85,206	2,22,63,390	2,25,02,773	2,12,95,288	2,03,36,944	1,56,43,418	2,11,20,362	2,11,69,568	2,09,64,782	2,21,91,323	2,10,13,258
Power Purchased	6,12,608	11,55,504	56,09,088	35,78,000	17,74,096	23,71,408	30,27,600	27,04,400	37,92,447	43,72,755	44,06,859	48,49,939
Total Power	2,98,70,609	2,40,40,710	2,78,72,478	2,60,80,773	2,30,69,384	2,27,08,352	1,86,71,018	2,38,24,762	2,49,62,015	2,53,37,537	2,65,98,182	2,58,63,197
Power Consumption												
SMS	2,48,03,328	1,92,86,113	2,29,41,302	2,04,97,452	1,75,19,192	1,75,10,817	1,41,44,503	1,93,76,659	2,04,52,486	2,00,48,455	2,14,30,422	2,08,28,714
Rolling	31,24,108	27,12,402	28,19,328	29,20,330	26,55,166	26,12,688	23,29,943	26,49,250	24,09,814	28,69,788	27,35,462	27,85,141
Sponge	13,25,224	12,01,588	14,56,280	12,83,880	11,79,882	11,12,289	8,83,337	11,50,722	11,97,333	14,21,944	14,12,966	12,96,356
Pollution	3,16,550	5,87,898	3,50,758	10,41,279	14,00,410	11,37,296	9,79,577	3,21,695	5,80,021	6,70,706	7,84,619	6,59,878
Project & Others	3,01,399	2,52,709	3,04,810	3,37,832	3,14,734	3,35,262	3,33,658	3,26,436	3,22,361	3,26,644	2,34,713	2,93,108
Total Consumption	2,98,70,609	2,40,40,710	2,78,72,478	2,60,80,773	2,30,69,384	2,27,08,352	1,86,71,018	2,38,24,762	2,49,62,015	2,53,37,537	2,65,98,182	2,58,63,197
Production												
SMS	27,962	25,008	26,509	30,029	22,214	22,427	14,287	25,487	22,779	23,181	24,392	23,658
Rolling	27,797	24,138	26,584	29,602	21,077	20,639	16,806	23,342	20,008	24,425	24,743	24,884
Sponge	22,042	21,642	23,483	20,720	18,696	19,006	10,197	15,915	15,888	16,746	17,626	19,133

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Particulars	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
Gross Power Production	2,72,91,292	1,53,80,352	2,74,96,184	2,59,85,465	2,67,34,684	3,10,06,910	3,50,62,414	4,06,05,256	3,64,94,304	4,10,85,520	3,49,05,256	3,87,33,152
Losses	35,69,703	20,38,431	36,55,776	34,36,162	34,25,209	41,84,868	40,47,568	40,36,807	38,36,596	41,38,473	41,91,244	40,75,894
Power Production	2,37,21,589	1,33,41,921	2,38,40,408	2,25,49,303	2,33,09,475	2,68,22,042	3,10,14,846	3,65,68,449	3,26,57,708	3,69,47,047	3,07,14,012	3,46,57,258
Power Purchased	62,40,576	53,04,820	71,91,840	63,18,416	50,90,892	31,53,504	38,80,216	41,70,748	37,61,676	32,45,680	14,64,784	22,06,920
Total Power	2,99,62,165	1,86,46,741	3,10,32,248	2,88,67,719	2,84,00,367	2,99,75,546	3,48,95,062	4,07,39,197	3,64,19,384	4,01,92,727	3,21,78,796	3,68,64,178
Power Consumption												
SMS	2,47,11,446	1,49,56,137	2,48,42,191	2,28,43,177	2,23,45,669	2,39,66,570	2,82,50,944	3,32,23,021	2,95,59,684	3,24,94,895	2,52,37,479	2,91,70,801
Rolling	27,62,480	21,32,473	30,97,576	29,80,966	29,95,089	29,58,347	33,69,946	39,52,963	34,21,464	36,47,085	33,77,011	36,46,322
Sponge	14,48,772	8,70,767	20,99,025	19,44,391	21,33,794	22,25,924	22,78,247	26,48,449	23,77,501	26,74,177	20,09,384	24,36,317
Pollution	7,37,981	4,14,768	7,35,579	7,17,455	6,09,319	4,90,252	6,67,455	6,56,387	6,28,829	6,81,264	8,91,755	8,77,968
Project & Others	3,01,486	2,72,596	2,57,877	3,81,730	3,16,496	3,34,453	3,28,470	2,58,377	4,31,906	6,95,306	6,63,167	7,32,770
Total Consumption	2,99,62,165	1,86,46,741	3,10,32,248	2,88,67,719	2,84,00,367	2,99,75,546	3,48,95,062	4,07,39,197	3,64,19,384	4,01,92,727	3,21,78,796	3,68,64,178
Production	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
SMS	27,019	19,401	27,592	27,732	27,120	28,055	32,537	40,483	36,332	38,509	30,061	31,048
Rolling	24,838	20,650	27,177	26,927	26,996	27,270	32,186	39,731	33,589	34,418	32,964	32,726
Sponge	15,356	16,248	26,493	26,139	25,649	27,181	32,283	40,363	34,935	41,225	24,537	32,046



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Steel Manufacturing Plant, Gorakhpur, U.P.

PART D

PLANT INFRASTRUCTURE SECTIONS & FACILITY DETAILS

1. LAND DETAILS: GIL is presently operating on the land parcel measuring 112.69 acres (acquired 116.86 acres of land in GIDA Industrial Area in which 4.170 acres of land has been surrendered to the GIDA later) bounded for Plant purpose. This piece of land was already acquired prior to 1.04.2018. The existing plant has already been running on this land and proposed expansion facilities are also setup on the existing portion of this piece of land which was earlier used as a green area. Further, GIL has acquired additional land parcel measuring 6.2 acres in between 01.04.2018 upto 31.03.2021 and 4.47 acres of land upto 31.03.2022 totaling 10.67 acres of land upto 31.03.2022. In replacement of the existing land which is utilised in the present Project, company has bought additional land across the road adjacent to the Plant which will be used for future expansion.

PARTICULARS	DETAILS
Total Land Area purchased in expansion	Phase-I: 6.2 Acres Phase-II: 4.47 Acres Total: 10.67 Acres
Location	GIDA Industrial Area, Sahjanwa, Gorakhpur, Uttar Pradesh
Total Estimated Cost allocated	Phase-I: Rs.3.25 Crore Phase-II: Rs.11.75 Crore Total: Rs.15 Crore
Total Money shown by the company during April'18 to March'22	Phase-I: Rs.3.25 Crore Phase-II: Rs.1.23 Crore Total: Rs.4.48 Crore
Approved by IE incurred in the period (April' 2018 – March' 2022)	Phase-I: 3.21 Crore Phase-II: 1.09 Crore TOTAL: 4.30 Crore



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Observation & Comments:

- The company has shown to have acquired 6.2 acres of land as on 31.03.2021 amounting to Rs.3.25 Crore and 4.47 acres of land as on 31.03.2022 amounting to Rs.1.23 Crore totalling 10.67 acres of land as on 31.03.2022 amounting to Rs.4.48 Crore.
- However, the amount approved is as per the sale amount mentioned in the provided Deeds including the Stamp charges and Registration charges are taken as 1% (as per <https://igrsup.gov.in>).
- As per the details of the deeds provided to us, copy of one land deed dated 10.06.2021 which amounts to Rs.17,33,794/- is not available. As per the discussion the GIL team, that particular deed is at the registrar office due to some official reason. IE have considered only those deeds whose copies are available and mentioned in the list.

2. BUILDING & STRUCTURAL DETAILS: As per the proposed expansion plan following blocks & sections have been built Phase wise in processing sections as shown below:

For Phase-I

S. No.	Factory Building	Length (in mtr.)	Width (in mtr.)	Height (in mtr.)	Area (in sq.mtr.)
SMS					
1.	Main Shed	42.00	90.00	21.14	3,780.00
2.	Billet Shed	24.00	88.65	15.00	2,127.60
3.	CCM Pulpit	5.46	7.46	3.80	40.73
4.	Panel & Control Building	60.00	8.40	4.60	504.00
5.	VFD Panel Room	14.50	7.70	5.40	111.65
6.	Bag Store	16.30	16.18	6.80	263.73
7.	LRF Building	35.60	8.15	11.30	290.14
8.	Tundish Room	8.00	7.85	5.40	62.80
9.	Lab -1	3.20	3.20	3.00	10.24
10.	Lab -2	8.00	5.00	5.35	40.00
11.	Workshop	24.30	8.00	8.00	194.40
SLAG CIRCUIT					
1	Slag Circuit Control Room (Sqm)	22.3	8.4	5.6	187.32
ROLLING MILL					
1	Rolling Mill Shed	130.50	26.65	17.83	3,477.83
2	Rolling Mill Shed	130.50	29.60	17.83	3,862.80
3	Rolling Mill Shed	130.50	26.65	17.83	3,477.83
4	Rolling Mill Shed	45.00	25.25	17.83	1,136.25
5	Air Handling Unit Room	12.30	4.30	4.00	52.89

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6	East Side Panel Room GF	14.50	4.80	2.65	69.60
7	East ECR Panel Room 1st Floor	29.10	4.80	4.13	139.68
8	West ECR Panel Room G+ 1st Floor	78.30	7.40	8.20	579.42
9	Block Mill Panel & Control Room	11.55	6.53	3.65	75.42
10	CNC Machine Room	20.00	5.20	2.75	104.00
11	Lab	8.40	4.45	3.20	37.38
12	Panel Room on Lab	11.46	4.46	3.80	51.11
13	Reheating Furnace Shed	29.30	15.50	8.00	454.15

MISCELLANEOUS

1	Meter Room	3.25	3.25	3.00	10.56
2	Cement Storage Shed (2Nos)	13.85	12.30	4.80	333.39
		13.70	11.90	4.80	
3	Substation (1.5)	20.10	13.80	6.60	416.07
4	RMC Panel Room	6.50	5.07	3.00	32.96
5	Guard Room Main Gate	10	4.15	3.3	41.50

For Phase-II

S. No.	Factory Building	Length (in mtr.)	Width (in mtr.)	Height (in mtr.)	Area (in sq.mtr.)
SPONGE- 600TPD					
1	CONTROL ROOM (4 FLOORS)	29,23.93	8.48,8.48	4.6	919.69
2	RMHS ROOM	8	10	4.6	200.00
3	DG ROOM SHED	10.43	7.86	5	81.98
POWER PLANT					
1	RICE HUSK SHED	101	32	14.6	3,232.00
2	BED MATERIAL SHED	17	4.4	4.5	74.80
3	AIR PRESSURIZATION SYSTEM BUILDING-1	13	8	6.3	104.00
4	AIR PRESSURIZATION SYSTEM BUILDING- 2	13	8	6.3	104.00
5	MAINTATANCE SHED	15.15	7.75	6.3	117.41
6	COMPRESOR ROOM	24.9	10.5	4.6	261.45
MISCELLANEOUS					
19	COAL SHED	80.85	52.70	24.37	4,260.80
20	WAGON TIPPLER MCC BULDING (3 FLOORS)	15.40	5.50	3.80	254.10

For Phase-III (CWIP)

S. No.	Factory Building	Length (in mtr.)	Width (in mtr.)	Height (in mtr.)	Area (in sq.mtr.)
PELLET					
1	PGP COAL SHED (41X10.6)			12.35	434.60
2	FILTER CAKE STORAGE (66 X 20 MTRS)	66.00	20	8.00	1,320.00
3	PCI COAL STORAGE SHED (20X24)	20.00	24	7.00	480.00

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Gallantt Ispat Limited has shown to have incurred an amount of Rs.133.55 Crore to construct basic infrastructure like the factory buildings, non-factory buildings, boundary wall etc. bifurcated in Civil structures and foundation works. Civil work for foundation of setting up machines are considered in Building & Civil works head.

Provided site plan doesn't show area chart of the covered area. However, drawings of buildings are provided and has been cross-checked on sample basis during the site survey.

Total allocated amount	Phase-I: 55.71 Crore Phase-II: 50.12 Crore Phase-III: 45.05 Crore TOTAL: 150.88 Crore
Expenses shown by the company	Phase-I: 55.71 Crore Phase-II: 51.41 Crore Phase-III (CWIP): 26.44 Crore TOTAL: 133.56 Crore
Approved by IE incurred in the period (April' 2018 – March' 2022)	Phase-I: 49.82 Crore Phase-II: 43.88 Crore Phase-III (CWIP): 22.43 Crore TOTAL: 116.13 Crore
Observations & Remarks: <ul style="list-style-type: none">As shown by the company Building & Civil works cost is distributed into 2 parts: Buildings and Foundation work.Building cost is evaluated based on type of structure and its area. For Foundation work, company has provided the RCC quantity and its rate and accordingly it is evaluated.Area of the Buildings is cross-checked on sample basis against the drawings during the site visit as provided by the company.For verifying the quantity of RCC, certificates from the consultants have been taken and have to be relied upon who have prepared the drawings in the absence of AutoCad / StaadPro drawings which are enclosed in annexure with this report.We have verified the cost based on the rates as per the market industry standards. Calculation and working of Civil & Structure Works and Foundation Works rates is shown in later section Part-F of the report below along with the remarks/ comments and the detailed breakup of the same.Area measurement of some of the buildings are cross verified at the site either manually or through digital google measurement which was found to be similar as provided by the company and as per the site plan based on which the assessment is done.	

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- As per the details shared by the PICUP, an investment of Rs.75,00,000/- is shown related to construction before April 2018. The same has been deducted from the approved amount.

3. PLANT MACHINERY & EQUIPMENT: GIL has established following facilities as new & expanding the existing units:

Expansion & Upgraded Production Units				
S. No.	Production Units	Unit Capacity	Product	Annual Production (TPD)
1.	Steel Melting Shop			
	Induction Furnace	2 Nos. with 30 Ton crucible per heat	Liquid Steel	600
	Continuous Casting Machine (CCM) for Billet	1 New Strand	Billets	600
	Material handling system for EAF & LF:	NA	Cranes / Scrap Transfer Trolley	NA
2.	Rebar Mill	Total 14 new strands with complete line of rolling along with cooling bed etc.	TMT Rebars	600
3.	DRI	One new Kiln installed with 750 TPD Capacity	Sponge Iron	750
4.	Captive Power Plant (CPP)	New Turbine of 25 MW Capacity is installed of Siemens	Electricity	25 MW
		Boiler Capacity & Nos.: 1- WHRB Boiler - 70 TPH		
Total allocated amount		Phase-I: 128.33 Crore Phase-II: 161.67 Crore Phase-III: 124.36 Crore TOTAL: 414.36 Crore		

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Expenses shown by the company	Phase-I: 128.33 Crore (inclusive of Miscellaneous Fixed Assets cost of Rs.20.52 Crore) Phase-II: 147.99 Crore Phase-III (CWIP): 64.70 Crore TOTAL: 341.02 Crore
Approved by IE incurred in the period (April' 2018 – March' 2022)	Phase-I: 101.96 Crore (after transferring Rs.20.52 Crore of Miscellaneous Fixed Assets to Miscellaneous Fixed Assets head) Phase-II: 147.28 Crore Phase-III (CWIP): 63.77 Crore TOTAL: 313.01 Crore
Observations & Remarks: <ul style="list-style-type: none">As shown by the company Plant & Machinery cost is distributed into 2 parts: Machinery cost as purchased and Steel fabrication for inhouse built machines.For purchased machinery, the company has provided us the detailed cost sheet having list of assets/ works of different sections along with the description of assets, supplier name, invoice number, date of invoice etc. Steel fabrication list is separately provided which included the section wise steel quantity and rates.As per these sheets only review of the cost has been done. The working of the same is shown in the later section of the report in Part-F in the table below.For Phase – 1, as per IE analysis, the amount shown to have completely incurred into Plant & Machinery includes Miscellaneous Fixed Assets as well. For Phase-2, GIL has shown Plant & Machinery and Miscellaneous Fixed Assets separately.During IE review, for Phase-I cost analysis, we have separated Miscellaneous Fixed Assets amounting of Rs.20.52 Crore from Plant & Machinery cost.The amount related to Repair & Maintenance shown in the detailed excel sheet has not been considered in the approved amount.The quantity of steel has been considered as per the drawings and the certificate provided by the CE.For Captive Power Plant (CPP), the cost approved for the Plant & Machinery, Civil Structures, Foundation Work and Steel structures is Rs.70.52 Crore which is the cost incurred in Phase-II.Amount considered is based on the Break-up of expenditure, Copy of Bills/ invoices provided to us.As per the List of the items, Break-up of expenditure provided by the company, some of the items are capitalized before April 2018 related to Rolling Section which amounts to Rs.2,26,82,000/-. The same has not been included in the approved amount.	

4. MISCELLANEOUS FIXED ASSETS: The items capitalized under miscellaneous fixed assets includes Factory equipments, Electrical Installation, Pollution Equipments, Furniture & Fixtures, Office Equipments, Railway Siding & Wagon Tippler.

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Total allocated amount	Phase-I: 0.00 Phase-II: 0.00 Phase-III: 0.00 TOTAL: 0.00
Expenses shown by the company	Phase-I: 0.00 (<i>Rs.20.52 Crore shown under P&M head which is considered by us in Miscellaneous Fixed Assets</i>) Phase-II: 52.01 Crore Phase-III (CWIP): 3.69 Crore TOTAL: 55.70 Crore
Approved by IE incurred in the period (April' 2018 – March' 2022)	Phase-I: 20.52 Crore (<i>after transferring Rs.20.52 Crore of Miscellaneous Fixed Assets to Miscellaneous Fixed Assets head</i>) Phase-II: 50.06 Crore Phase-III (CWIP): 0.00 TOTAL: 70.58 Crore
Observations & Remarks: <ul style="list-style-type: none">As per IE analysis, the amount incurred under Plant & Machinery section in Phase-I also includes some amount that contains assets related to Miscellaneous items, so the same has been shown under this head instead of Plant & Machinery section in Phase-I which equates to Rs.20.52 Crore.Miscellaneous Fixed asset items mainly includes Factory equipments, Electrical Installation, Pollution Equipments, Furniture & Fixtures, Office Equipments, Railway Siding & Wagon Tippler. The cost incurred under Furniture & Fixtures and Office Equipments amounting Rs.21,568/- in Phase-I and Rs.1,47,29,617/- in Phase-II has not been considered in the approved cost as per the IIEPP Rules-2017.Since, no bifurcation of the amount is provided to us for the amount incurred under Miscellaneous (CWIP) in Phase-III amounting of Rs.3.69 Crore, therefore, we have not considered the same in the approved amount.Amount considered is based on the List of the items, Break-up of expenditure, Copy of Bills/ invoices provided to us.The amount related to Repair & Maintenance shown in the detailed excel sheet has not been considered in the approved amount.As per the List of the items, Break-up of expenditure provided by the company, some of the items are capitalized before April 2018 related to Railway Siding which amounts to Rs.1,85,20,963/-. The same has not been included in the approved amount.	



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PART E

PROJECT CONSULTANTS, CONTRACTORS & SUPPLIERS

GIL has engaged many OEM, Contractors & Suppliers during the inception of the project which includes Supply, Erection, Construction, Testing & Commissioning. Supplier's details with their scope of work are given below:

S. No.	Supplier Name	Details
1	M/s Bharat Heavy Electricals Ltd	Supply & Supervision of Electron & Commissioning with 2 Years Operational Spares
2	M/s Rail Udyog	Railway Siding
3	M/s Thermax Babcock & Wilcox Energy Solution Pvt Ltd	WHRB for 600 TPD
4	M/s. Electrotherm (India) Limited	Medium Frequency Induction Furnace for SMS Project at Gorakhpur
5	M/s. Asian Cranes & Elevators	Double Beam E.O.T Cranes
6	M/s SV Control Systems	PLC and VFD Panel
7	M/s Onlead Energy Concentrix	Copper Busduct & WRM Pump House Panel
8	M/s Concast India Private Ltd	Continuous Casting Machine
9	M/s Komatsu India Pvt Ltd	Hydraulic Excavator
10	M/s Airtech Engineers	Kaeser Make Rotary Screw Air Comp
11	M/s Armech Engineers Pvt Ltd	Equipments for Wire Rod Block Mill
12	M/s Shanthi Gears Limited	Double Helical Gear Box
13	M/s Brokk Ab	Remote Controlled Electro Hydraulically Driven Demolition Machine
14	M/s Newfield Engineers Pvt Ltd	Roll Stand Cassettes
15	M/s Precision Automation & Robotics India Ltd	Automatic Bar Bundling
16	M/s Metcon Water System Pvt Ltd	Pac Dosing System & Automatic Mill
17	M/s Grip Impex Private Limited	Forging & Casting Component for 600 TPD Kiln
18	M/s Breslau Infrastructure & Technology Pvt Ltd	Design & Consultancy For 0.8 Mtpa Pellet Plant
19	M/s Xiamen Roma Machinery Co Ltd	Container Shear Machine & Pares
20	M/s Gemscab Industries Limited	Cables 600 TPD
21	M/s Nitin Castings Limited	SS Casting Items
22	M/s Elecon Engineering Co. Ltd	Rotary Kiln Drive & Cooler Drive 600 TPD
23	M/s Technocraft Switch Gear P Ltd	11 KV HT Panel for MRSS & CPP
24	M/s Jiangsu Hongda Special Steel Machinery Plant Co Ltd	Equipment for Pellet Plant
25	M/s International Combustion (India) Limited	Double Deck Wet Screen & Single Deck Product Screen
26	M/s Saurashtra Marine Traders	MS Greeting

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PART F

PROJECT COST & EXPENDITURE

1. **TOTAL PROJECT COST:** As per DPR Report, total cost of the project for Phase-I is estimated to be at Rs.188.97 Crore, for Phase-II is Rs.241.03 Crore, for Phase-III is Rs.190.35 Crore and for Phase-IV is Rs.230.27 Crore, adding a total of Rs.850.62 Crore, distributed broadly under following heads:

(In Rs. Crore)

TOTAL PROJECT COST																		
S. NO.	PARTICULARS	PHASE-I				PHASE-II				PHASE-III			PHASE-IV					TOTAL
		SMS	ROLLING MILL	MISC.	TOTAL	DRI	POWER	MISC.	TOTAL	PELLET	MISC.	TOTAL	SMS	ROLLING	DRI	MISC.	TOTAL	
1	Land & Site Development	-	-	3.25	3.25	-	-	11.75	11.75	-	15.00	15.00	-	-	-	-	-	30.00
2	Civil Work & Building	22.52	29.48	3.71	55.71	30.80	6.63	12.69	50.12	23.49	21.56	45.05	25.37	11.58	16.03	15.00	67.98	218.86
3	Plant and Machinery	47.82	57.33	23.18	128.33	72.17	55.89	33.61	161.67	124.36	-	124.36	28.35	49.35	57.75	-	135.45	549.81
4	Miscellaneous Assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Contingencies	0.24	0.32	0.11	0.67	2.57	1.56	1.16	5.29	3.70	0.54	4.24	1.34	1.52	1.84	0.38	5.08	15.28
6	Pre-operatives	-	-	-	-	1.03	0.63	0.46	2.12	1.48	0.22	1.70	0.54	0.61	0.74	0.15	2.04	5.86
TOTAL FIXED COST		70.58	87.13	30.25	187.96	106.57	64.71	59.67	230.95	153.03	37.32	190.35	55.60	63.06	76.36	15.53	210.55	819.81
7	Margin Money for Working Capital				1.01				10.08			-					19.72	30.81
TOTAL COST					188.97				241.03	153.03	37.32	190.35	55.60	63.06	76.36	15.53	230.27	850.62

Source: DPR Report

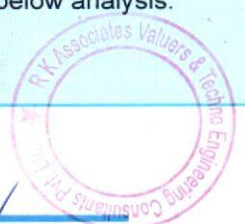


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2. CURRENT STATUS & TOTAL EXPENDITURE INCURRED TILL DATE: Details of the expenditure in the table below is recorded for the expenditure incurred in the period (April' 2018 – March' 2022).

S. NO.	PARTICULARS	TYPE OF AMOUNT	AMOUNT INCURRED TILL DATE (All figures in Rs. Crore)	CURRENT STATUS OF WORK AND REMARKS
1.	Land & Site Development	Total allocated amount	Phase-I: 3.25 Phase-II: 11.75 TOTAL: 15.00	<p>GIL has shown that the amount of Rs.3.25 Crore has been incurred under this head during Phase-I and Rs.1.23 Crore for Phase-II in the period April' 2018 – March' 2022 for the purchase of 6.2 acres and 4.47 acres respectively.</p> <p>However, the amount approved by IE is as per the amount mentioned in the Deeds including the Stamp charges and Reg. charges are taken as 1% (as per the details available on the public domain) amounting of Rs.4.30 Crore.</p> <p>The cost considered does not include the site development charges.</p> <p>As per the details of the deeds provided to us, copy of one land deed dated 10.06.2021 which amounts to Rs.17,33,794/- is not available. As per the discussion the GIL team, that particular deed is at the registrar office due to some official reason. IE have considered only those deeds whose copies are available and mentioned in the list.</p>
		Expenses shown by the company	Phase-I: 3.25 Phase-II: 1.23 TOTAL: 4.48	
		Approved by IE incurred in the period (April' 2018 – March' 2022)	Phase-I: 3.21 Phase-II: 1.09 TOTAL: 4.30	
2.	Civil & Structure Works	Total allocated amount	Phase-I: 55.71 Phase-II: 50.12 Phase-III: 45.05 TOTAL: 150.88	<p>GIL has shown Rs.133.56 Crore incurred under this head (Civil & Structure Works and Foundation Works) in the period (Jan., 2018 – March, 2022). Total cost approved by IE is Rs.116.13 Crore.</p> <p>Cost is approved based on below analysis:</p>



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		Expenses shown by the company	Phase-I: 55.71 Phase-II: 51.41 Phase-III (CWIP): 26.44 TOTAL: 133.56	For Buildings: <ol style="list-style-type: none"> 1. Area measurement is taken as per area sheet provided by the company. Area of some of the buildings are cross verified at the site either manually or through digital google measurement which was found to be similar as provided by the company based on which the assessment is done. 2. Plinth Area rates as prescribed by CPWD and market rates are adopted for each building based on its type & height as shown in the Table nos. 1,4 & 7 below to estimate the cost of the building construction. For Foundation: <ol style="list-style-type: none"> 1. Quantity is taken based on the certificates obtained by drawing consultants which are annexed with the report. 2. RCC rates are calculated using CPWD rates for scheduled items and market rates for non-schedule items. 3. Working sheet for foundation cost is shown in Table nos. 10 & 11 below. 4. The working of cost taken for RCC is shown in Table nos. 2,5 & 8 below along with detailed breakup of the same.
		Approved by IE incurred in the period (April' 2018 – March' 2022)	Phase-I: 49.82 Phase-II: 43.88 Phase-III (CWIP): 22.43 TOTAL: 116.13	
3.	Plant & Machinery	Total allocated amount	Phase-I: 128.33 Phase-II: 161.67 Phase-III: 124.36 TOTAL: 414.36	GIL has shown Rs.341.02 Crore to have incurred under this head (for plant & machinery and steel fabrication works) in the period (April' 2018 – March' 2022). Total cost approved by IE is Rs.313.01 Crore. For Machinery:



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	Expenses shown by the company	Phase-I: 128.33 Phase-II: 147.99 Phase-III (CWIP): 64.70 TOTAL: 341.02	<ol style="list-style-type: none">1. In Phase-1, company has shown Rs.20.52 Crore of Miscellaneous Fixed Assets also under P&M, which is separated from this head and considered in Miscellaneous Fixed Assets below.2. Cost of Plant & Machines is verified from the detailed inventory sheet provided to us related to plant & machinery having description of assets, supplier name, invoice number, date of invoice etc. Major machines have been cross checked and due to voluminous nature, bills/ invoices of the amount more than Rs.50 lakhs are verified at the site. For Steel Fabrication Work: <ol style="list-style-type: none">1. Quantity is taken based on the certificate obtained from CE for verification of quantity which is annexed with the report.2. The rates for steel are taken based on the market analysis in the respective periods as per the industry standards. For this purchase Bills for the steel is also taken from the customer. On the Steel rate, fabrication labor charges are also added to reach at final rate.3. Working sheet for steel fabrication cost is shown in Table no. 12 below.
	Approved by IE incurred in the period (April' 2018 – March' 2022)	Phase-I: 101.96 Phase-II: 147.28 Phase-III (CWIP): 63.77 TOTAL: 313.01	



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4. Miscellaneous Fixed Assets	Total allocated amount	Phase-I: 0.00 Phase-II: 0.00 Phase-III: 0.00 TOTAL: 0.00	<p>GIL has shown Rs.55.70 Crore to have incurred under this head in the period (April' 2018 – March' 2022) as per below details:</p> <ul style="list-style-type: none"> Rs.0.00 Crore incurred in Phase-I. Rs.52.01 Crore incurred in Phase-II. Rs.3.69 Crore incurred in Phase-III (CWIP). <p>1. Total cost approved by IE is Rs.70.58 Crore which includes Rs.20.52 Crore which has been transferred from P&M to this head under Phase-I.</p> <p>2. The amount incurred under Miscellaneous (CWIP) is Rs.3.69 Crore. Since, no bifurcation of the amount is provided to us, therefore, we have not considered the same in the approved amount.</p> <p>3. Cost of Miscellaneous Fixed Assets is verified from the detailed inventory sheet provided to us related to Miscellaneous Fixed Assets having description of assets, supplier name, invoice number, date of invoice etc.</p>
	Expenses shown by the company	Phase-I: 0.00 Phase-II: 52.01 Phase-III (CWIP): 3.69 TOTAL: 55.70	



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		Approved by IE incurred in the period (April' 2018 – March' 2022)	Phase-I: 20.52 Phase-II: 50.06 Phase-III (CWIP): 0.00 TOTAL: 70.58	<p>4. The cost incurred under Furniture & Fixtures and Office Equipments amounting Rs.21,568/- in Phase-I and Rs.1,47,29,617/- in Phase-II has not been considered in the approved cost as per the IIEPP Rules-2017.</p> <p>For Steel Fabrication Work:</p> <ol style="list-style-type: none">Quantity is taken based on the certificate obtained from CE for verification of quantity which is annexed with the report.The rates for steel are taken based on the market analysis in the respective periods as per the industry standards. For this purchase Bills for the steel is also taken from the customer. On the Steel rate, fabrication labor charges are also added to reach at final rate.Working sheet for steel fabrication cost is shown in Table no. 12 below.																								
5.	Prelim and Pre-operative Expense	<div>Total allocated amountPhase-I: 0.67</div> <div>Expenses shown by the companyPhase-I: 0.67</div> <div>Approved by IE incurred in the period (April' 2018 – March' 2022)Phase-I: 0.00</div>		<p>GIL has shown that the amount of Rs.0.67 Crore has been incurred under this head during Phase-I in the period April' 2018 – March' 2021.</p> <p>The bifurcation of pre-liminary and pre-operative expenses incurred under Phase-I is shown below:</p> <table><tr><th>S. No.</th><th>Particulars</th><th>Amount incurred in Phase-I (In Rs.)</th></tr><tr><td>1</td><td>SMS</td><td>23,55,579</td></tr><tr><td>2</td><td>Rolling</td><td>32,53,979</td></tr><tr><td>3</td><td>Miscellaneous Factory Equipment</td><td>2,94,777</td></tr><tr><td>4</td><td>Office Equipment</td><td>127</td></tr><tr><td>5</td><td>Electric Installation</td><td>2,87,230</td></tr><tr><td>6</td><td>Pollution Equipment</td><td>5,03,780</td></tr><tr><td colspan="2">Total</td><td>66,95,472</td></tr></table> <p>As per the IIEPP Rules-2017, the amount incurred in this head is not considered in the approved cost.</p>	S. No.	Particulars	Amount incurred in Phase-I (In Rs.)	1	SMS	23,55,579	2	Rolling	32,53,979	3	Miscellaneous Factory Equipment	2,94,777	4	Office Equipment	127	5	Electric Installation	2,87,230	6	Pollution Equipment	5,03,780	Total		66,95,472
S. No.	Particulars	Amount incurred in Phase-I (In Rs.)																										
1	SMS	23,55,579																										
2	Rolling	32,53,979																										
3	Miscellaneous Factory Equipment	2,94,777																										
4	Office Equipment	127																										
5	Electric Installation	2,87,230																										
6	Pollution Equipment	5,03,780																										
Total		66,95,472																										

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6.	Total	Total allocated amount	Phase-I: 188.97 Phase-II: 241.03 Phase-III: 190.35 TOTAL: 620.35	<p>GIL has shown to have incurred Rs.535.41 Crore in the period (April' 2018 – March' 2022).</p> <p>As per IE, the total cost approved is Rs.504,02,16,286/- (Rupees Five Hundred and Four Crore Two Lacs Sixteen Thousand Two Hundred and Eighty-Six Only)</p> <p>All expenses are verified based on invoices/ bills shown by the company and for the market rates as per the industry standards.</p>
	Expenses shown by the company		Phase-I: 187.95 Phase-II: 252.64 Phase-III (CWIP): 94.82 TOTAL: 535.41	
	Approved by IE incurred in the period (April' 2018 – March' 2022)		Phase-I: 175.50 Phase-II: 242.31 Phase-III (CWIP): 86.21 TOTAL: 504.02	

CONSOLIDATED SUMMARY OF THE ABOVE FIGURES IS SHOWN IN THE TABLE BELOW:

(All figures in Rs. Cr.)

S. No.	Particulars	Amount Allocated				Total Amount	Amount incurred by the company			Total Amount	Amount approved by IE			Total Amount
		Phase-I	Phase-II	Phase-III	Phase-IV		Phase-I	Phase-II	Phase-III (CWIP)		Phase-I	Phase-II	Phase-III (CWIP)	
1	Land	3.25	11.75	15.00	-	30.00	3.25	1.23	-	4.48	3.21	1.09	-	4.30
2	Civil Structure	55.71	50.12	45.05	67.98	218.86	36.01	21.45	7.79	133.56	34.18	20.01	7.58	116.13
	Foundation Works						19.70	29.96	18.65		15.64	23.87	14.85	
3	Plant & Machinery	128.33	161.67	124.36	135.45	549.81	113.25	122.27	29.55	341.02	92.61	122.24	29.55	313.01
	Steel Fabrication Works						15.07	25.72	35.16		9.34	25.04	34.23	
4	Miscellaneous Factory Equipment						-	52.01	3.69	55.70	20.52	50.06	-	70.58
	Electric Installation													
	Pollution Equipment													
	Furniture Fixture & Office Equipments													
	Railway Siding & Wagon Tippler													
5	Contingencies	0.67	5.29	4.24	5.08	15.28	-	-	-	-	-	-	-	-
6	Pre-Operative Expenses	-	2.12	1.70	2.04	5.86	0.67	-	-	0.67	-	-	-	-
7	Margin Money for Working Capital	1.01	10.08	-	19.72	30.81	-	-	-	-	-	-	-	-
Total		188.97	241.03	190.35	230.27	850.62	187.95	252.65	94.82	535.42	175.50	242.31	86.21	504.02



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

TABLE 1: ASSESSMENT OF BUILDING CONSTRUCTION (PHASE I)

Sr. No	Building Name	Floor	Type of Structure	Area (in sq.mtr.)	Height Floor to Floor (in mtr.)	Year of construction	Rates adopted as per IE (per sq.mtr.)	Total value as per IE	IE Comments
SMS BUILDING									
1	SMS MAIN SHED	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMNN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	3780	21.14	2019	₹ 19,928	₹ 7,53,27,840	CPWD and market rates are adopted of the relevant period to estimate the cost
2	BILLET SHED	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMNN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	2127.6	15	2019	₹ 16,331	₹ 3,47,45,836	
3	CCM PULPIT	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	40.73	4.6	2019	₹ 13,346	₹ 5,43,583	
4	PANEL AND CONTROL BUILDING	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK WITH	100.8	2	2019	₹ 13,346	₹ 13,45,277	
		FIRST FLOOR	SLAB , WALL IN BRICK WORK WITH	201.6	4.6				
		SECOND FLOOR	R.C.C TRUNCH	201.6	4.6				
5	VFD PANEL ROOM	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMNN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF WALL IN BRICK WORK	111.65	5.4	2019	₹ 13,346	₹ 14,90,081	
6	BAG STORE	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMNN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF WALL IN BRICK WORK	263.73	6.8	2018	₹ 13,346	₹ 35,19,741	
7	LRF BUILDING	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	150.74	5	2018	₹ 13,346	₹ 20,11,776	
		FIRST FLOOR		139.4	6.3				
8	TUNDISH ROOM	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMNN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF WALL IN BRICK WORK	62.8	5.4	2019	₹ 13,346	₹ 8,38,129	
9	LAB 1	FIRST FLOOR	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	10.24	3	2019	₹ 9,000	₹ 92,160	Cost taken in the documents provided is on higherside, and Rs.9,000/- per sq.mtr. is reasonable cost taken by IE
10	LAB 2	FIRST FLOOR	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	40	5.35	2020	₹ 9,000	₹ 3,60,000	Cost taken in the documents provided is on higherside, and Rs.9,000/- per sq.mtr. is reasonable cost taken by IE
11	WORK SHOP	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMNN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF WALL IN BRICK WORK	194.4	8	2020	₹ 13,346	₹ 25,94,462	CPWD and market rates are adopted of the relevant period to estimate the cost
				7425.29				₹ 12,28,68,884	
SLAG CIRCUIT									
1	SLAG CIRCUIT CONTROL ROOM	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	187.32	5.6	2020	₹ 13,346	₹ 24,99,973	CPWD and market rates are adopted of the relevant period to estimate the cost



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ROLLING MILL SHED & BUILDING									
1	ROLLING MILL SHED	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	3477.83	17.83	2018-19	₹	16,331	₹ 5,67,96,442
2	ROLLING MILL SHED	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	3862.8	17.83	2018-19	₹	16,331	₹ 6,30,83,387
3	ROLLING MILL SHED	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	3477.83	17.83	2018-19	₹	16,331	₹ 5,67,96,442
4	ROLLING MILL SHED	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	1136.25	17.83	2018-19	₹	16,331	₹ 1,85,56,099
5	AIR HANDLING UNIT ROOM	GROUND	FOUNDATION COLUMN BEAM AND FLOOR R.C.C , MS STRUCTURE TRUSS & PERLING & ROOFING PROFILE SHEET ROOF WALL IN BRICK WORK	52.89	4	2020	₹	13,346	₹ 7,05,870
6	EAST SIDE PANEL ROOM	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK WITH R.C.C TRUNCH	69.6	2.65	2021	₹	13,346	₹ 9,28,882
7	EAST SIDE PANEL ROOM	FIRST FLOOR	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	139.68	4.13	2021	₹	13,346	₹ 18,64,169
8	WEST ECR PANEL ROOM	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK WITH R.C.C TRUNCH	579.42	4.3	2021	₹	13,346	₹ 77,32,939
		FIRST FLOOR	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK		4.1	2021			
9	BLOCK MILL PANEL AND CONTROL ROOM	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK WITH R.C.C TRUNCH	75.42	3.65	2020	₹	13,346	₹ 10,06,555
10	CNC MACHINE ROOM	GROUND	FOUNDATION COLUMN BEAM AND FLOOR R.C.C , MS STRUCTURE TRUSS & PERLING & ROOFING PROFILE SHEET ROOF WALL IN BRICK WORK	104	2.75	2020	₹	13,346	₹ 13,87,984
11	LAB	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	37.38	3.2	2021	₹	13,346	₹ 4,98,873
12	PANEL ROOM ON LAB	FIRST FLOOR	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	51.11	3.8	2021	₹	13,346	₹ 6,82,114
13	REHEATING FURNANCE SHED	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	454.15	8	2018	₹	11,000	₹ 49,95,650
				13518.36					₹ 21,50,35,406

CPWD and market rates are adopted of the relevant period to estimate the cost

Cost taken in the documents provided is on higherside, and Rs.11,000/- per sq.mtr. is reasonable cost taken by IE



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MISCELLANEOUS									
1	METER ROOM	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB, WALL IN BRICK WORK	10.56	3	2021	₹ 13,000	₹ 1,37,280	Cost taken in the documents provided is on higherside, and Rs.13,000/- per sq.mtr. is reasonable cost taken by IE
2	CEMENT STORAGE SHED 1	GROUND	FOUNDATION AND FLOOR R.C.C, MS STRUCTURE COLUMN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	170.355	4.8	2020	₹ -	₹ -	At the time of site survey the said building was not present, some construction work was going on. Hence, we are not considering it
3	CEMENT STORAGE SHED 2	GROUND	FOUNDATION AND FLOOR R.C.C, MS STRUCTURE COLUMN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	163.035	4.8	2018	₹ 13,346	₹ 21,75,938	CPWD and market rates are adopted of the relevant period to estimate the cost
4	SUB STATION	FIRST FLOOR	R.C.C STRUCTURE COLUMN BEAM & SLAB, WALL IN BRICK WORK	138.69	2	2019	₹ 13,346	₹ 55,52,870	
		SECOND FLOOR	R.C.C STRUCTURE COLUMN BEAM & SLAB, WALL IN BRICK WORK	277.38	4.6	2020	₹ 13,346	₹ 55,52,870	
5	R.C.C PANEL ROOM	GROUND	FOUNDATION COLUMN BEAM AND FLOOR R.C.C, MS STRUCTURE TRUSS & PERLING & ROOFING PROFILE SHEET ROOF WALL IN BRICK WORK	32.96	3	2020	₹ 13,346	₹ 4,39,899	CPWD and market rates are adopted of the relevant period to estimate the cost
6	GUARD ROOM MAIN GATE	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB, WALL IN BRICK WORK	41.5	3.3	2018	₹ 13,346	₹ 5,53,859	
TOTAL				834.48				₹ 88,59,847	
				21965.45				₹ 34,92,64,109	

Notes:

1. Cost assessment is done based on general cost analysis and not based on detailed cost estimation using BOQ method

2. Cost assessment is mainly done based on the visual observation & appearance and the data provided by the company. We have not carried out any structural assessment or stability study; nor carried out any physical test to assess structural & material quality & strength.



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M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

TABLE 2: ASSESSMENT OF FOUNDATION WORK (PHASE I)

CIVIL WORK FOUNDATION							
S.No.	Units	Grade of concrete	RCC in cu.mtr	Rate per cu.mtr. of RCC as per GIL	Amount	Rates taken as per industry standards	Total Value as per IE
SMS SECTION							
1	Basement - 2 Nos	M-25	1,101.76	₹ 17,642	₹ 1,94,37,305	₹ 14,000	₹ 1,54,24,683
2	11 KVA Cable Rack Foundation	M-25	5.91	₹ 17,642	₹ 1,04,273	₹ 14,000	₹ 82,747
3	CCM Billet Conveyor to Rmil	M-25	52.00	₹ 17,642	₹ 9,17,384	₹ 14,000	₹ 7,28,000
4	CCM Foundation	M-25	686.33	₹ 17,642	₹ 1,21,08,234	₹ 14,000	₹ 96,08,620
5	LRF Support Structure & Foundation	M-25	290.19	₹ 17,642	₹ 51,19,532	₹ 14,000	₹ 40,62,660
6	LRF Pump Foundation	M-25	2.66	₹ 17,642	₹ 46,928	₹ 14,000	₹ 37,240
7	LRF Water Tank	M-25	14.97	₹ 17,642	₹ 2,64,101	₹ 14,000	₹ 2,09,580
8	Water Complex & Pump house	M-25	1,072.60	₹ 17,642	₹ 1,89,22,862	₹ 14,000	₹ 1,50,16,442
9	Oxygen tank & Distribution system	M-25	72.50	₹ 17,642	₹ 12,79,045	₹ 14,000	₹ 10,15,000
10	Scale Pit at CCM	M-25	37.39	₹ 17,642	₹ 6,59,634	₹ 14,000	₹ 5,23,460
11	Silicat Tank & Ladle Ramming Pit	M-25	23.57	₹ 17,642	₹ 4,15,822	₹ 14,000	₹ 3,29,980
12	SMS Trenches	M-25	228.91	₹ 17,642	₹ 40,38,430	₹ 14,000	₹ 32,04,740
13	Overhead Water Tank	M-25	240.00	₹ 17,642	₹ 42,34,080	₹ 14,000	₹ 33,60,000
14	Transformer Foundation	M-25	0.60	₹ 17,642	₹ 10,585	₹ 14,000	₹ 8,400
15	Sponge Feeding System	M-25	31.84	₹ 17,642	₹ 5,61,721	₹ 14,000	₹ 4,45,760
16	Retaining Wall near 5&6th Furnace	M-25	14.52	₹ 17,642	₹ 2,56,162	₹ 14,000	₹ 2,03,280
			3,875.76		₹ 6,83,76,098		₹ 5,42,60,593
SLAG CIRCUIT							
1	Crusher Building	M-25	116.00	₹ 17,642	₹ 20,46,472	₹ 14,000	₹ 16,24,000
2	Separation Building	M-25	298.53	₹ 17,642	₹ 52,66,666	₹ 14,000	₹ 41,79,420
3	Screen House	M-25	101.00	₹ 17,642	₹ 17,81,842	₹ 14,000	₹ 14,14,000
4	Product storage building	M-25	184.50	₹ 17,642	₹ 32,54,949	₹ 14,000	₹ 25,83,000
5	Truckle Foundation	M-25	152.00	₹ 17,642	₹ 26,81,584	₹ 14,000	₹ 21,28,000
6	Transfer Tower -01 & 2	M-25	41.00	₹ 17,642	₹ 7,23,322	₹ 14,000	₹ 5,74,000
7	Slag Goliath Crane	M-25	105.00	₹ 17,642	₹ 18,52,410	₹ 14,000	₹ 14,70,000
8	Ground Hopper	M-25	265.50	₹ 17,642	₹ 46,83,951	₹ 14,000	₹ 37,17,000
9	Slag Feeding System	M-25	48.00	₹ 17,642	₹ 8,46,816	₹ 14,000	₹ 6,72,000
10	Jaw Crusher	M-25	49.90	₹ 17,642	₹ 8,80,336	₹ 14,000	₹ 6,98,600
			1,361.43		₹ 2,40,18,348		₹ 1,90,60,020



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Steel Manufacturing Plant, Gorakhpur, U.P.

ROLLING MILL							
1	Bar Handling System	M-25	912.06	₹	17,642	₹	1,60,90,563
2	Bar Transfer System 2 Nos	M-25	25.64	₹	17,642	₹	4,52,341
3	Bending Station- 6 Nos	M-25	373.00	₹	17,642	₹	65,80,466
4	Bar Bending & Bar Transfer Foundation	M-25	23.01	₹	17,642	₹	4,05,942
5	Wire rod Mill	M-25	914.00	₹	17,642	₹	1,61,24,788
6	2 Staand Block with Treanches with Lubrication station in Mill-1	M-25	86.00	₹	17,642	₹	15,17,212
7	CNC Machine Foundation	M-25	47.00	₹	17,642	₹	8,29,174
8	Automatic Cooling Bed	M-25	550.00	₹	17,642	₹	97,03,100
9	Filtration System with water Tank	M-25	260.13	₹	17,642	₹	45,89,213
10	Lubrication Tank 4 Nos	M-25	106.00	₹	17,642	₹	18,70,052
11	Water Tank 2 Nos	M-25	332.00	₹	17,642	₹	58,57,144
12	Transformer Foundation (4Nos)	M-25	29.46	₹	17,642	₹	5,19,733
13	Rolling Mill 16" Mill Foundation	M-25	92.50	₹	17,642	₹	16,31,885
14	Scale Pit & Drain	M-25	4.30	₹	17,642	₹	75,914
15	Torkari Machine Foundation & Misc Work	M-25	10.10	₹	17,642	₹	1,78,184
16	Pre Pinch- Mill 1	M-25	6.75	₹	17,642	₹	1,19,084
17	Post Pinch- Mill 1	M-25	6.75	₹	17,642	₹	1,19,084
18	Continuous Shear- Mill 1	M-25	16.69	₹	17,642	₹	2,94,445
19	Tail Breaker- Mill 1	M-25	9.30	₹	17,642	₹	1,64,071
20	Water Trough- Mill 1	M-25	10.23	₹	17,642	₹	1,80,478
21	4 Staand Block with Treanches with Lubrication station in Mill-2	M-25	250.30	₹	17,642	₹	44,15,793
22	Pre Pinch- Mill 2	M-25	6.75	₹	17,642	₹	1,19,084
23	Post Pinch- Mill 2	M-25	6.75	₹	17,642	₹	1,19,084
24	Continuous Shear- Mill 2	M-25	21.80	₹	17,642	₹	3,84,596
25	Tail Breaker- Mill 2	M-25	12.69	₹	17,642	₹	2,23,877
26	Pinch Roll 3rd	M-25	2.00	₹	17,642	₹	35,284
27	Lube Tank Near Tail Breaker Mill-2	M-25	12.50	₹	17,642	₹	2,20,525
28	Lube Tank Near TMT Box Mill-2	M-25	12.50	₹	17,642	₹	2,20,525
29	Billet Transfer Trolley System	M-25	5.86	₹	17,642	₹	1,03,382
30	Water Trough- Mill 2	M-25	14.26	₹	17,642	₹	2,51,575
31	Rolling Mill Trench for water Distribution System	M-25	6.11	₹	17,642	₹	1,07,793
32	Cable Trench	M-25	35.50	₹	17,642	₹	6,26,291
33	Rmill Flooring For Machine Foundation	M-25	260.00	₹	17,642	₹	45,86,920
			4,461.94			₹ 7,87,17,598	₹ 6,24,67,202
TOTAL						₹ 17,11,12,045	₹ 13,57,87,815
MISCELLANEOUS							
1	RMC Plant	M-25	56.03	₹	17,642	₹	9,88,481
2	132 KVA Tower & Switchyard Foundation	M-25	251.90	₹	17,642	₹	44,44,020
3	Effluent Treatment Plant (ETP)	M-25	280.00	₹	17,642	₹	49,39,760
4	Weigh Bridges (2 Nos)	M-25	136.63	₹	17,642	₹	24,10,386
			724.56			₹ 1,27,82,647	₹ 1,01,43,808
POLLUTION EQUIPMENT							
1	LRF Pollution System	M-25	36.23	₹	17,642	₹	6,39,210
2	SMS Pollution System-1&2	M-25	537.53	₹	17,642	₹	94,83,126
3	Dust Silo	M-25	23.35	₹	17,642	₹	4,11,941
4	Slag Circuit Pollution System	M-25	148.29	₹	17,642	₹	26,16,203
			745.41			₹ 1,31,50,480	₹ 1,04,35,706
TOTAL						₹ 2,59,33,127	₹ 2,05,79,513
GRAND TOTAL						₹ 19,70,45,171	₹ 15,63,67,328

Notes:

1. As per GIL personals, all the RCC work is done of M25 Design Mix Concrete only.

2. Cost assessment is done based on the rates adopted as per the industry standards. For calculation, please refer to the table no. 10 below.

3. Cost assessment is mainly done based on the visual observation & appearance and the data the company officials provided. We have not carried out any structural design, assessment or stability study; nor carried out any physical tests to assess structural & material quality and strength.

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M/s. Gallantt Ispat Limited
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TABLE 3: ASSESSMENT OF STEEL FABRICATION WORK (PHASE I)

STEEL USED IN FABRICATIONS						
S. No	STEEL USED IN FABRICATIONS	Qty in MT	Rate taken as per GIL	Amount	Rates Taken As per Industry	Total Value as per IE
ROLLING MILL						
1	WIRE ROD MILL	126.21	₹ 77,445	₹ 97,74,250	₹ 70,000	₹ 88,34,625
2	Bar Handling System	78.14	₹ 77,445	₹ 60,51,866	₹ 70,000	₹ 54,70,084
3	Bending Station- 6 Nos	16.33	₹ 77,445	₹ 12,65,062	₹ 70,000	₹ 11,43,448
4	Bar Bending & Bar Transfer	12.14	₹ 77,445	₹ 9,40,182	₹ 70,000	₹ 8,49,800
5	2 Staand Block with Treanches with Lubrication station in Mill-1	6.40	₹ 77,445	₹ 4,95,850	₹ 70,000	₹ 4,48,183
6	Automatic Cooling Bed	50.05	₹ 77,445	₹ 38,75,850	₹ 70,000	₹ 35,03,254
7	Filtration System with water Tank	1.90	₹ 77,445	₹ 1,47,005	₹ 70,000	₹ 1,32,873
8	Scale Pit & Drain	1.78	₹ 77,445	₹ 1,37,465	₹ 70,000	₹ 1,24,250
9	Tail Breaker- Mill 1	0.99	₹ 77,445	₹ 76,825	₹ 70,000	₹ 69,440
10	4 Staand Block with Treanches with Lubrication station in Mill-2	10.61	₹ 77,445	₹ 8,21,526	₹ 70,000	₹ 7,42,550
				₹ 2,35,85,881		₹ 2,13,18,506
SMS						
1	11 KVA Cable Rack Foundation	36.26	₹ 77,445	₹ 28,07,844	₹ 70,000	₹ 25,37,919
2	CCM Billet Conveyor to Rolling Mill	5.00	₹ 77,445	₹ 3,87,225	₹ 70,000	₹ 3,50,000
3	CCM Foundation	87.55	₹ 77,445	₹ 67,79,947	₹ 70,000	₹ 61,28,172
4	WATER COMPLEX (60MT)	47.33	₹ 77,445	₹ 36,65,472	₹ 70,000	₹ 33,13,100
5	Sponge Feeding System	65.01	₹ 77,445	₹ 50,35,009	₹ 70,000	₹ 45,50,980
				₹ 1,86,75,498		₹ 1,68,80,171
SLAG CIRCUIT						
1	Crusher Building	63.41	₹ 77,445	₹ 49,10,400	₹ 70,000	₹ 44,38,350
2	Separation Building	148.53	₹ 77,445	₹ 1,15,02,906	₹ 70,000	₹ 1,03,97,100
6	Screen House	78.18	₹ 77,445	₹ 60,54,263	₹ 70,000	₹ 54,72,250
4	Poduct storage building	160.13	₹ 77,445	₹ 1,24,01,036	₹ 70,000	₹ 1,12,08,890
5	Trustle Foundation & Conveyor	217.80	₹ 77,445	₹ 1,68,67,134	₹ 70,000	₹ 1,52,45,650
6	Transfer Tower -01 & 2	30.66	₹ 77,445	₹ 23,74,386	₹ 70,000	₹ 21,46,130
7	Goliath Crane Erection & Old Scrap	11.27	₹ 77,445	₹ 8,72,805	₹ 70,000	₹ 7,88,900
8	Ground Hopper	21.46	₹ 77,445	₹ 16,61,970	₹ 70,000	₹ 15,02,200
9	SLAG FEEDING SYSTEM	35.00	₹ 77,445	₹ 27,10,575	₹ 70,000	₹ 24,50,000
10	Jaw Crusher	22.68	₹ 77,445	₹ 17,56,453	₹ 70,000	₹ 15,87,600
				₹ 6,11,11,927		₹ 5,52,37,070
POLLUTION EQUIPMENTS						
1	Slag Circuit Pollution System	197.77	₹ 77,445	₹ 1,53,16,143	₹ 70,000	₹ 1,38,43,760
2	LRF Bagfilter	19.74	₹ 77,445	₹ 15,28,764	₹ 70,000	₹ 13,81,800
3	POLLUTION SYSTEM SMS	307.53	₹ 77,445	₹ 2,38,16,429	₹ 70,000	₹ 2,15,26,890
4	Dust Silo and Pipe Line SMS	86.19	₹ 77,445	₹ 66,74,985	₹ 70,000	₹ 60,33,300
				₹ 4,73,36,320		₹ 4,27,85,750
TOTAL STEEL USED IN FABRICATION				₹ 15,07,09,626		₹ 13,62,21,497

Notes:

1. Cost assessment is done based on the rates adopted as per the industry standards. For calculation, please refer to the table no. 12 below.

2. Cost assessment is mainly done based on the visual observation & appearance and the data the company officials provided. We have not carried out any structural design, assessment or stability study; nor carried out any physical tests to assess structural & material quality and strength.

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TABLE 4: ASSESSMENT OF BUILDING CONSTRUCTION (PHASE II)

Sr. No.	Building name	Floor	Type of structure	Area (in sq.mtr.)	Height floor to floor (in mtr.)	Year of construction	Rates adopted as per IE (per sq.mtr.)	Total value as per IE	IE Comments
POWER PLANT									
1	RICE HUSK SHED	GROUND	FOUNDATION COLUMN BEAM AND FLOOR R.C.C , MS STRUCTURE TRUSS & PERLING & ROOFING PROFILE SHEET ROOF WALL IN BRICK WORK	3232	14.6	2022	₹ 18,209	₹ 5,88,52,430	CPWD and market rates are adopted of the relevant period to estimate the cost
2	BED MATERIAL SHED	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	74.8	4.5	2022	₹ 2,500	₹ 1,87,000	Rates adopted by GIL seems to be on a higher side, and Rs.2,500/- per sq.mtr. is reasonable as per IE
3	AIR PRESSURIZATION SYSTEM BUILDING 1	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	104	6.3	2022	₹ 14,046	₹ 14,60,784	Rates adopted by GIL seems to be on a higher side, and Rs.14,046/- per sq.mtr. is reasonable as per IE
4	AIR PRESSURIZATION SYSTEM BUILDING 2	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	104	6.3	2022	₹ 14,046	₹ 14,60,784	Rates adopted by GIL seems to be on a higher side, and Rs.14,046/- per sq.mtr. is reasonable as per IE
5	MAINTENANCE SHED	GROUND	FOUNDATION AND FLOOR R.C.C , MS STRUCTURE COLUMN TRUSS & PERLING & ROOFING PROFILE SHEET ROOF	117.41	6.3	2022	₹ 850	₹ 99,799	Rates adopted by GIL seems to be on a higher side, and Rs.850/- per sq.mtr. is reasonable as per IE
6	COMPRESOR ROOM	FIRST FLOOR	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	261.45	4.6	2022	₹ 14,046	₹ 36,72,327	Rates adopted by GIL seems to be on a higher side, and Rs.14,046/- per sq.mtr. is reasonable as per IE
				3893.66				₹ 6,57,33,123	
MISCELLANEOUS									
1	COAL SHED	GROUND	FOUNDATION COLUMN BEAM AND FLOOR R.C.C , MS STRUCTURE TRUSS & PERLING & ROOFING PROFILE SHEET ROOF WALL IN R.C.C WITH BUTERESS	4260	24.37	2022	₹ 26,000	₹ 11,07,60,000	Rates adopted by GIL seems to be on a higher side, and Rs.26,000/- per sq.mtr. is reasonable as per IE
2	WAGON TRIPPLER MCC BUILDING	GROUND	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	84.7	3.8	2022	₹ 15,799	₹ 40,14,526	CPWD and market rates are adopted of the relevant period to estimate the cost
		FIRST FLOOR	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	84.7	3.8	2022			
		SECOND FLOOR	R.C.C STRUCTURE COLUMN BEAM & SLAB , WALL IN BRICK WORK	84.7	3.8	2022			
				4514.1				₹ 11,47,74,526	

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SPONGE 600 TPD									
1	600TPD CONTROL ROOM	CABLE CELLER	R.C.C STRUCTURE FRAME ,WALL IN BRICK , R.C.C SLAB	245.83	6.56	2022	₹ 16,518	₹ 1,51,85,403.75	CPWD and market rates are adopted of the relevant period to estimate the cost
		GROUND FLOOR		245.83	15				
		FIRST FLOOR		202.84	15				
		SECOND FLOOR		202.84	15				
		MUMTY		21.98	10				
2	RMHS ROOM	CABLE CELLER	R.C.C STRUCTURE FRAME ,WALL IN BRICK , R.C.C SLAB	39.95	8.2	2022	₹ 16,518	₹ 33,01,820	
		GROUND FLOOR		79.97	15				
		FIRST FLOOR		79.97	15				
3	D G ROOM	GROUND FLOOR	R.C.C STRUCTURE FRAME ,WALL IN BRICK AND SHED IN PROFILE SHEET	81.94954	16.4	2022	₹ 14,000	₹ 11,47,293.50	Rates adopted by GIL seems to be on a higher side, and Rs.14,000/- per sq.mtr. is reasonable as per IE
				1201.166			₹ 1,96,34,517		
TOTAL				9608.93			₹ 20,01,42,166		

Notes:

1. Cost assessment is done based on general cost analysis and not based on detailed cost estimation using BOQ method

2. Cost assessment is mainly done based on the visual observation & appearance and the data provided by the company. We have not carried out any structural assessment or stability study; nor carried out any physical test to assess structural & material quality & strength.



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TABLE 5: ASSESSMENT OF FOUNDATION (PHASE II)

FOUNDATION (POWER PLANT & SPONGE)							
S.No.	Units	Grade of concrete	RCC in cu.mtr	Rate per cu.mtr. of RCC as per GIL	Amount	Rates taken as per industry standards	Total Value as per IE
SPONGE- 600TPD							
1	KILN INLET BUILDING (K.I.B.)	M-25	305.00	₹ 18,200	₹ 55,51,000	₹ 14,500	₹ 44,22,500
2	KILN STATION-A	M-25	637.50	₹ 18,200	₹ 1,16,02,500	₹ 14,500	₹ 92,43,750
3	KILN STATION-B	M-25	1,430.00	₹ 18,200	₹ 2,60,26,000	₹ 14,500	₹ 2,07,35,000
4	KILN STATION-C	M-25	520.00	₹ 18,200	₹ 94,64,000	₹ 14,500	₹ 75,40,000
5	KILN STATION-D	M-25	610.00	₹ 18,200	₹ 1,11,02,000	₹ 14,500	₹ 88,45,000
6	KILN MAINTENANCE PLATFORM	M-25	39.00	₹ 18,200	₹ 7,09,800	₹ 14,500	₹ 5,65,500
7	KILN COOLER TRANSFER BUILDING	M-25	288.95	₹ 18,200	₹ 52,58,890	₹ 14,500	₹ 41,89,775
8	COOLER STATION-A	M-25	212.20	₹ 18,200	₹ 38,62,040	₹ 14,500	₹ 30,76,900
9	COOLER STATION-B	M-25	239.50	₹ 18,200	₹ 43,58,900	₹ 14,500	₹ 34,72,750
10	COOLER DISCHARGE BIN	M-25	58.00	₹ 18,200	₹ 10,55,600	₹ 14,500	₹ 8,41,000
11	WATER / COOLER THROUGH	M-25	163.50	₹ 18,200	₹ 29,75,700	₹ 14,500	₹ 23,70,750
12	WATER COMPLEX , COOLING TOWER & PUMP HOUSE	M-25	123.00	₹ 18,200	₹ 22,38,600	₹ 14,500	₹ 17,83,500
13	PRODUCT SEPARATION BIN & I-BIN	M-25	278.77	₹ 18,200	₹ 50,73,614	₹ 14,500	₹ 40,42,165
14	PRODUCT STORAGE BIN	M-25	608.90	₹ 18,200	₹ 1,10,81,980	₹ 14,500	₹ 88,29,050
15	DAYBIN	M-25	720.38	₹ 18,200	₹ 1,31,10,916	₹ 14,500	₹ 1,04,45,510
16	IRON CRUSHER AND SCREEN BIN	M-25	352.50	₹ 18,200	₹ 64,15,500	₹ 14,500	₹ 51,11,250
17	COAL CRUSHER AND SCREEN BIN	M-25	343.58	₹ 18,200	₹ 62,53,156	₹ 14,500	₹ 49,81,910
18	IRON/ COAL GORUND HOPPER	M-25	358.50	₹ 18,200	₹ 65,24,700	₹ 14,500	₹ 51,98,250
19	IRON ORE BUNKER BIN	M-25	52.48	₹ 18,200	₹ 9,55,136	₹ 14,500	₹ 7,60,960
20	CHAR SEPARATION BIN	M-25	103.50	₹ 18,200	₹ 18,83,700	₹ 14,500	₹ 15,00,750
21	TRANSFORMER FOUNDATION	M-25	6.75	₹ 18,200	₹ 1,22,850	₹ 14,500	₹ 97,875
22	PRODUCT CIRCUIT (TRANSFER HOUSE & CONVEYOR SYSTEM)	M-25	446.27	₹ 18,200	₹ 81,22,114	₹ 14,500	₹ 64,70,915
23	SPONGE CONVEYOR	M-25	31.84	₹ 18,200	₹ 5,79,488	₹ 14,500	₹ 4,61,680
24	DUCT SUPPORT WHRB TO PSB	M-25	25.00	₹ 18,200	₹ 4,55,000	₹ 14,500	₹ 3,62,500
25	DUCT SUPPORT ESP TO CHIMNEY	M-25	15.00	₹ 18,200	₹ 2,73,000	₹ 14,500	₹ 2,17,500
26	ABC FAN	M-25	38.00	₹ 18,200	₹ 6,91,600	₹ 14,500	₹ 5,51,000
27	CB FAN	M-25	26.00	₹ 18,200	₹ 4,73,200	₹ 14,500	₹ 3,77,000
28	OIL TANK	M-25	3.50	₹ 18,200	₹ 63,700	₹ 14,500	₹ 50,750
29	ABC TANK & PUMP STRUCTURE	M-25	53.78	₹ 18,200	₹ 9,78,796	₹ 14,500	₹ 7,79,810
30	AIR RECEIVER FOUNDATION	M-25	5.56	₹ 18,200	₹ 1,01,192	₹ 14,500	₹ 80,620
31	SCRUBBER PIT	M-25	18.21	₹ 18,200	₹ 3,31,422	₹ 14,500	₹ 2,64,045
32	BACKFLOW PIT	M-25	8.28	₹ 18,200	₹ 1,50,696	₹ 14,500	₹ 1,20,060
33	OVERSIZE PIT	M-25	9.08	₹ 18,200	₹ 1,65,256	₹ 14,500	₹ 1,31,660
34	COMPRESSOR FOUNDATION	M-25	17.93	₹ 18,200	₹ 3,26,326	₹ 14,500	₹ 2,59,985
35	SILO NEAR IBIN	M-25	18.48	₹ 18,200	₹ 3,36,336	₹ 14,500	₹ 2,67,960
36	PUMP FOUNDATION NEAR COOLER STATION B	M-25	11.80	₹ 18,200	₹ 2,14,760	₹ 14,500	₹ 1,71,100
TOAL SPONGE 600 TPD			8,180.74		₹ 14,88,89,468		₹ 11,86,20,730



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POWER PLANT							
1	WASTE HEAT RECOVERY BOILER (WHRB)	M-25	297.00	₹ 18,200	₹ 54,05,400	₹ 14,500	₹ 43,06,500
2	TURBINE FOUNDATION	M-25	933.10	₹ 18,200	₹ 1,69,82,420	₹ 14,500	₹ 1,35,29,950
3	AMONIA STORAGE TANK	M-25	21.33	₹ 18,200	₹ 3,88,206	₹ 14,500	₹ 3,09,285
4	CHILLER PLANT	M-25	68.61	₹ 18,200	₹ 12,48,702	₹ 14,500	₹ 9,94,845
5	LIME STONE BUNKER	M-25	19.31	₹ 18,200	₹ 3,51,442	₹ 14,500	₹ 2,79,995
6	ACID STORAGE TANK	M-25	20.66	₹ 18,200	₹ 3,76,012	₹ 14,500	₹ 2,99,570
7	PA FAN FOUNDATION	M-25	41.95	₹ 18,200	₹ 7,63,490	₹ 14,500	₹ 6,08,275
8	STEAM HEADER & PIPE LINE SUPPORT FOUNDATION	M-25	44.76	₹ 18,200	₹ 8,14,632	₹ 14,500	₹ 6,49,020
9	COOLING TOWER TO CONDENSER PIPE LINE SUPPORT SYSTEM	M-25	46.47	₹ 18,200	₹ 8,45,754	₹ 14,500	₹ 6,73,815
10	CABLE RAKE SUPPORT FOUNDATION	M-25	3.36	₹ 18,200	₹ 61,152	₹ 14,500	₹ 48,720
11	SUPPORT STRUCTURE & DISTRIBUTION SYSTEM OF AIR PRESSURIZATION SYSTEM	M-25	3.53	₹ 18,200	₹ 64,246	₹ 14,500	₹ 51,185
12	CEP PIT (CONDENSATE EXTRACTION PUMP)	M-25	46.00	₹ 18,200	₹ 8,37,200	₹ 14,500	₹ 6,67,000
13	AUXILIARY FOUNDATION	M-25	42.66	₹ 18,200	₹ 7,76,412	₹ 14,500	₹ 6,18,570
14	AIR CHEMBER	M-25	38.00	₹ 18,200	₹ 6,91,600	₹ 14,500	₹ 5,51,000
15	CPP FLOORING TURBINE AREA	M-25	28.00	₹ 18,200	₹ 5,09,600	₹ 14,500	₹ 4,06,000
TOTAL POWER PLANT			1,654.74		₹ 3,01,16,268		₹ 2,39,93,730
TOTAL					₹ 17,90,05,736		₹ 14,26,14,460

MISCELLANEOUS							
1	RBC 1&2	M-25	646.00	₹ 18,200	₹ 1,17,57,200	₹ 14,500	₹ 93,67,000
2	MATERIAL HANDLING SYSTEM FOR RAILWAY SIDING (RMBC-1 TO 6)	M-25	800.18	₹ 18,200	₹ 1,45,63,276	₹ 14,500	₹ 1,16,02,610
3	WAGON TIPPLER WITH TUNNEL	M-25	3,650.00	₹ 18,200	₹ 6,64,30,000	₹ 14,500	₹ 5,29,25,000
4	WAGON TIPPLER SCREEN & CRUSHER BIN	M-25	142.00	₹ 18,200	₹ 25,84,400	₹ 14,500	₹ 20,59,000
5	WAGON TIPPLER CABLE TREANCH & FOUNDATION	M-25	22.62	₹ 18,200	₹ 4,11,684	₹ 14,500	₹ 3,27,990
TOAL MISC CIVIL WORK			5,260.80		₹ 9,57,46,560		₹ 7,62,81,600

POLLUTION EQUIPMENT							
SPONGE- 600TPD							
1	CHIMNEY 4 NO.	M-25	445.00	₹ 18,200	₹ 80,99,000	₹ 14,500	₹ 64,52,500
2	ID FAN FOR ESP CHIMNEY	M-25	121.00	₹ 18,200	₹ 22,02,200	₹ 14,500	₹ 17,54,500
3	BAG FILTER 8 NOS & I.D.FAN 8 NOS	M-25	474.37	₹ 18,200	₹ 86,33,534	₹ 14,500	₹ 68,78,365
3	ELECTROSTATIC PRECIPITATOR (ESP)	M-25	199.00	₹ 18,200	₹ 36,21,800	₹ 14,500	₹ 28,85,500
5	DUST SILO	M-25	35.50	₹ 18,200	₹ 6,46,100	₹ 14,500	₹ 5,14,750
6	ASH SILO	M-25	29.00	₹ 18,200	₹ 5,27,800	₹ 14,500	₹ 4,20,500
TOAL SPONGE 600 TPD			1,303.87		₹ 2,37,30,434		₹ 1,89,06,115

POWER PLANT							
1	ESP	M-25	19.32	₹ 18,200	₹ 3,51,551	₹ 14,500	₹ 2,80,082
2	ASH SILO	M-25	42.90	₹ 18,200	₹ 7,80,816	₹ 14,500	₹ 6,22,079
TOAL POWER PLANT			62.22		₹ 11,32,367		₹ 9,02,161
TOTAL			16,462.37		₹ 29,96,15,097		₹ 23,87,04,336

Notes:

1. As per GIL personals, all the RCC work is done of M25 Design Mix Concrete only.
2. Cost assessment is done based on the rates adopted as per the industry standards. For calculation, please refer to the table no. 11 below.
3. Cost assessment is mainly done based on the visual observation & appearance and the data the company officials provided. We have not carried out any structural design, assessment or stability study; nor carried out any physical tests to assess structural & material quality and

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TABLE 6: ASSESSMENT OF STEEL FABRICATION WORK (PHASE II)

COSTING STEEL STRUCTURE (POWER PLANT & SPONGE)						
STEEL USED IN FABRICATIONS	Qty in MT	Rates adopted as per GIL	Amount	Rates Adopted as per Industry Benchmark	Total Value as per IE	
SPONGE- 600TPD						
1 KILN INLET BUILDING (K.I.B.)	549.07	₹ 79,093	₹ 4,34,27,356	₹ 77,000	₹ 4,22,78,159	
2 KILN MAINTENANCE PLATFORM	106.52	₹ 79,093	₹ 84,24,828	₹ 77,000	₹ 82,01,886	
3 KILN COOLER TRANSFER STRUCTURE	233.50	₹ 79,093	₹ 1,84,68,136	₹ 77,000	₹ 1,79,79,423	
4 COOLER DISCHARGE STRUCTURE	21.99	₹ 79,093	₹ 17,39,097	₹ 77,000	₹ 16,93,076	
5 WATER / COOLER THROUGH	41.48	₹ 79,093	₹ 32,80,619	₹ 77,000	₹ 31,93,806	
6 PRODUCT SEPARATION STRYCTURE & I-BIN	217.09	₹ 79,093	₹ 1,71,69,904	₹ 77,000	₹ 1,67,15,545	
7 PRODUCT STORAGE STRUCTURE	133.39	₹ 79,093	₹ 1,05,49,899	₹ 77,000	₹ 1,02,70,722	
8 PRODUCT CIRCUIT (TRANSFER / TRUSHELS & CONVEYOUR SYSTEM)	479.74	₹ 79,093	₹ 3,79,43,680	₹ 77,000	₹ 3,69,39,595	
9 DAYBIN	171.65	₹ 79,093	₹ 1,35,76,313	₹ 77,000	₹ 1,32,17,050	
10 IRON CRUSHER AND SCREEN STRUCTURE	183.14	₹ 79,093	₹ 1,44,85,329	₹ 77,000	₹ 1,41,02,011	
11 COAL CRUSHER AND SCREEN STRUCTURE	120.74	₹ 79,093	₹ 95,49,293	₹ 77,000	₹ 92,96,595	
12 IRON/ COAL GORUND HOPPER	15.89	₹ 79,093	₹ 12,56,788	₹ 77,000	₹ 12,23,530	
13 IRON ORE BUNKER	99.70	₹ 79,093	₹ 78,85,888	₹ 77,000	₹ 76,77,208	
14 CHAR SEPARATION STRUCTURE	137.07	₹ 79,093	₹ 1,08,41,198	₹ 77,000	₹ 1,05,54,313	
15 IRON ORE TRANSFER TOWER-1	10.34	₹ 79,093	₹ 8,17,426	₹ 77,000	₹ 7,95,795	
16 RMHS CONVEYORS	283.01	₹ 79,093	₹ 2,23,83,873	₹ 77,000	₹ 2,17,91,539	
17 WALKWAY BETWEEN MCC ROM TO KILN STATION B	3.99	₹ 79,093	₹ 3,15,581	₹ 77,000	₹ 3,07,230	
18 TRANSFER TOWER -6	4.31	₹ 79,093	₹ 3,40,495	₹ 77,000	₹ 3,31,485	
19 TRANSFER TOWER -5	28.51	₹ 79,093	₹ 22,54,783	₹ 77,000	₹ 21,95,116	
20 TRANSFER TOWER -4	26.27	₹ 79,093	₹ 20,77,931	₹ 77,000	₹ 20,22,944	
21 DUCT SUPPORT WHRB TO PSB	32.00	₹ 79,093	₹ 25,30,976	₹ 77,000	₹ 24,64,000	
22 DUCT SUPPORT ESP TO CHIMNEY	33.44	₹ 79,093	₹ 26,44,712	₹ 77,000	₹ 25,74,726	
23 COAL TRANSFER TOWER-2	44.18	₹ 79,093	₹ 34,94,487	₹ 77,000	₹ 34,02,014	
24 PACKING PLATES	14.96	₹ 79,093	₹ 11,83,152	₹ 77,000	₹ 11,51,843	
TOTAL SPONGE 600 TPD	2,991.94		₹ 23,66,41,748		₹ 23,03,79,611	
POWER PLANT						
1 WASTE HEAT RECOVERY BOILER (WHRB)	205.00	₹ 79,093	₹ 1,62,14,065	₹ 77,000	₹ 1,57,85,000	
2 TURBINE FOUNDATION	3.40	₹ 79,093	₹ 2,68,916	₹ 77,000	₹ 2,61,800	
3 SUPPORT STRUCTURE & DISTRIBUTION SYSTEM OF AIR PRESSURIZATION SYSTEM	52.00	₹ 79,093	₹ 41,12,836	₹ 77,000	₹ 40,04,000	
TOTAL POWER PLANT	260.40		₹ 2,05,95,817		₹ 2,00,50,800	
GRAND TOTAL			₹ 25,72,37,565		₹ 25,04,30,411	



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MISCELLANEOUS							
WAGON TIPPLER AND MATERIAL HANDLING SYSTEM							
1	RBC-1,2	79.81	₹ 79,093	₹ 63,12,412	₹ 77,000	₹ 61,45,370	
2	SBC	176.54	₹ 79,093	₹ 1,39,63,078	₹ 77,000	₹ 1,35,93,580	
3	RMBC 1 TO 6	422.73	₹ 79,093	₹ 3,34,34,984	₹ 77,000	₹ 3,25,50,210	
4	CRUSHER HOUSE	74.19	₹ 79,093	₹ 58,67,672	₹ 77,000	₹ 57,12,399	
5	JUNCTION & TRANSFER STRUCTURE 1 TO 6	421.71	₹ 79,093	₹ 3,33,54,625	₹ 77,000	₹ 3,24,71,978	
6	BAG FILTERS	122.86	₹ 79,093	₹ 97,17,445	₹ 77,000	₹ 94,60,297	
7	WAGON TIPPLER HOPPER, PLATEFARM ETC	283.79	₹ 79,093	₹ 2,24,45,486	₹ 77,000	₹ 2,18,51,522	
	TOTAL MISC	1,581.63		₹ 12,50,95,703		₹ 12,17,85,356	
POLLUTION CONTROL SYSTEM							
SPONGE- 600TPD							
1	CHIMNEY 4 NOS	21.00	₹ 79,093	₹ 16,60,953.00	₹ 77,000	₹ 16,17,000	
2	BAG FILTER 8 NOS	250.00	₹ 79,093	₹ 1,97,73,250.00	₹ 77,000	₹ 1,92,50,000	
3	ELECTROSTATIC PRECIPITATOR (ESP)	217.39	₹ 79,093	₹ 1,71,93,631.81	₹ 77,000	₹ 1,67,38,645	
4	DUST SILO	100.00	₹ 79,093	₹ 79,09,300.00	₹ 77,000	₹ 77,00,000	
	TOTAL SPONGE 600 TPD	588.39		₹ 4,65,37,135		₹ 4,53,05,645	
POWER PLANT							
1	ESP	38.00	₹ 79,093	₹ 30,05,534	₹ 77,000	₹ 29,26,000	
2	ASH SILO	74.00	₹ 79,093	₹ 58,52,882	₹ 77,000	₹ 56,98,000	
	TOTAL POWER PLANT	112.00		₹ 88,58,416		₹ 86,24,000	
	GRAND TOTAL			₹ 43,77,28,819		₹ 42,61,45,412	

Notes:

1. Cost assessment is done based on the rates adopted as per the industry standards. For calculation, please refer to the table no. 12 below.
2. Cost assessment is mainly done based on the visual observation & appearance and the data the company officials provided. We have not carried out any structural design, assessment or stability study; nor carried out any physical tests to assess structural & material quality and strength.



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

TABLE 7: ASSESSMENT OF BUILDING CONSTRUCTION (CWIP)

Sr. No	Building Name	Area (in sq.mtr.)	Rates adopted as per IE (per sq.mtr.)	Total value as per IE	IE Comments
1	PGP COAL SHED (41X10.6)	434.60	₹ 34,000	₹ 1,47,76,400	Rates adopted as per GIL is on higherside, and Rs.34,000/- per sq.mtr. is reasonable as IE
2	FILTER CAKE STORAGE (66 X 20 MTRS)	1,320.00	₹ 33,207	₹ 4,38,33,240	CPWD and market rates are adopted of the relevant period to estimate the cost
3	PCI COAL STORAGE SHED(20X24)	480.00	₹ 35,768	₹ 1,71,68,640	
TOTAL				₹ 7,57,78,280	
Notes:					
1. Cost assessment is done based on general cost analysis and not based on detailed cost estimation using BOQ method.					
2. Cost assessment is mainly done based on the visual observation & appearance and the data provided by the company. We have not carried out any structural assessment or stability study; nor carried out any physical test to assess structural & material quality & strength.					



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

TABLE 8: ASSESSMENT OF FOUNDATION WORK (CWIP)

CIVIL WORK FOUNDATION							
S. No.	Units	Grade of concrete	RCC in cu.mtr	Rate per cu.mtr. of RCC as per GIL	Amount	Rates taken as per industry standards	Total Value as per IE
PELLET							
1	REJECTION HOPPER	M-25	45.00	₹ 18,200	₹ 8,19,000	₹ 14,500	₹ 6,52,500
2	PRESS FILTER	M-25	512.75	₹ 18,200	₹ 93,32,050	₹ 14,500	₹ 74,34,875
3	GASIFIRE (PGP)	M-25	363.00	₹ 18,200	₹ 66,06,600	₹ 14,500	₹ 52,63,500
4	CONCENTRATED THICKNER	M-25	339.50	₹ 18,200	₹ 61,78,900	₹ 14,500	₹ 49,22,750
5	BALL MILL	M-25	560.50	₹ 18,200	₹ 1,02,01,100	₹ 14,500	₹ 81,27,250
6	IRON ORE SURGE BUNKER	M-25	44.50	₹ 18,200	₹ 8,09,900	₹ 14,500	₹ 6,45,250
7	CHIMNEY	M-25	162.50	₹ 18,200	₹ 29,57,500	₹ 14,500	₹ 23,56,250
8	ESP	M-25	251.15	₹ 18,200	₹ 45,70,930	₹ 14,500	₹ 36,41,675
9	BALLING DISC	M-25	1,584.80	₹ 18,200	₹ 2,88,43,360	₹ 14,500	₹ 2,29,79,600
10	TRAVEL GRATE (TG) FOUNDATION	M-25	1,617.35	₹ 18,200	₹ 2,94,35,770	₹ 14,500	₹ 2,34,51,575
11	ROTARY KILN	M-25	1,159.50	₹ 18,200	₹ 2,11,02,900	₹ 14,500	₹ 1,68,12,750
12	PROPOTIONATE FOUNDATION	M-25	290.00	₹ 18,200	₹ 52,78,000	₹ 14,500	₹ 42,05,000
13	GRINDING BUILDING/ FOUNDATION & SCRUBBER	M-25	552.50	₹ 18,200	₹ 1,00,55,500	₹ 14,500	₹ 80,11,250
14	COOLER	M-25	984.00	₹ 18,200	₹ 1,79,08,800	₹ 14,500	₹ 1,42,68,000
15	GROUND HOPPER	M-25	184.00	₹ 18,200	₹ 33,48,800	₹ 14,500	₹ 26,68,000
16	SCREEN HOUSE	M-25	110.50	₹ 18,200	₹ 20,11,100	₹ 14,500	₹ 16,02,250
17	ID FAN	M-25	472.00	₹ 18,200	₹ 85,90,400	₹ 14,500	₹ 68,44,000
18	HR FAN	M-25	445.00	₹ 18,200	₹ 80,99,000	₹ 14,500	₹ 64,52,500
19	VRM FOUNDATIONS	M-25	185.50	₹ 18,200	₹ 33,76,100	₹ 14,500	₹ 26,89,750
20	PRODUCT TRUSHEL CONVEYOR	M-25	102.50	₹ 18,200	₹ 18,65,500	₹ 14,500	₹ 14,86,250
21	PROCESS & RAW WATER TANK	M-25	248.50	₹ 18,200	₹ 45,22,700	₹ 14,500	₹ 36,03,250
22	COOLER DUCT SUPPORT	M-25	32.00	₹ 18,200	₹ 5,82,400	₹ 14,500	₹ 4,64,000
					₹ 18,64,96,310		₹ 14,85,82,225
Notes:							
1. As per GIL personals, all the RCC work is done of M25 Design Mix Concrete only.							
2. Cost assessment is done based on the rates adopted as per the industry standards. For calculation, please refer to the table no. 11 below.							
3. Cost assessment is mainly done based on the visual observation & appearance and the data the company officials provided. We have not carried out any structural design, assessment or stability study; nor carried out any physical tests to assess structural & material quality and strength.							

(Handwritten signature and circular stamp of R.K. Associates Valuers & Techno Engineering Consultants Pvt. Ltd.)

INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

TABLE 9: ASSESSMENT OF STEEL FABRICATION WORK (CWIP)

COSTING OF STEEL STRUCTURE (PELLET)						
S. No.	STEEL USED IN FABRICATIONS	QTY in MT	RATE (PMT)	AMOUNT	Rates Taken as per Industry Benchmark	Total Value as per IE
1	PGP COAL SHED	65.00	₹ 79,093	₹ 51,41,045	₹ 77,000	₹ 50,05,000
2	FILTER CAKE SHED	220.00	₹ 79,093	₹ 1,74,00,460	₹ 77,000	₹ 1,69,40,000
3	IRON ORE SHED	610.00	₹ 79,093	₹ 4,82,46,730	₹ 77,000	₹ 4,69,70,000
4	FILTER PRESS BUILDING	569.00	₹ 79,093	₹ 4,50,03,917	₹ 77,000	₹ 4,38,13,000
5	BALLING DISC	925.00	₹ 79,093	₹ 7,31,61,025	₹ 77,000	₹ 7,12,25,000
6	GRINDING BLDG.	240.00	₹ 79,093	₹ 1,89,82,320	₹ 77,000	₹ 1,84,80,000
7	ESP	250.00	₹ 79,093	₹ 1,97,73,250	₹ 77,000	₹ 1,92,50,000
8	PGP	320.00	₹ 79,093	₹ 2,53,09,760	₹ 77,000	₹ 2,46,40,000
9	TRANSFER HOUSE	169.00	₹ 79,093	₹ 1,33,66,717	₹ 77,000	₹ 1,30,13,000
10	DUCT & DUCTING SUPPORT	664.00	₹ 79,093	₹ 5,25,17,752	₹ 77,000	₹ 5,11,28,000
11	KILN	62.00	₹ 79,093	₹ 49,03,766	₹ 77,000	₹ 47,74,000
12	DAY BIN BUILDING	230.00	₹ 79,093	₹ 1,81,91,390	₹ 77,000	₹ 1,77,10,000
13	REJECTION BUILDING	121.00	₹ 79,093	₹ 95,70,253	₹ 77,000	₹ 93,17,000
TOTAL PELLET		4,445.00		₹ 35,15,68,385		₹ 34,22,65,000
Notes:						
1. Cost assessment is done based on the rates adopted as per the industry standards. For calculation, please refer to the table no. 12 below.						
2. Cost assessment is mainly done based on the visual observation & appearance and the data the company officials provided. We have not carried out any structural design, assessment or stability study; nor carried out any physical tests to assess structural & material quality and strength.						



Analysis of Rates for M25 Design Mix Concrete as per the industry standards:

TABLE 10: Rate of RCC with M-25 Design Concrete Work for foundation up to Plinth level

For Phase-I

S. No.	Particulars	Rates
1	M-25 Design mix concrete	Rs.7000.00 per cu.mtr.
2	Steel @ 1.25% per cu.mtr. (Total 95 Kg @ Rs.58 per kg)	Rs.5510.00
3	Add for Bending, Cutting of Steel, Shuttering & layering of PCC etc.	Rs.500.00
4	Establishment & Overhead charges @5%	Rs.651.00
5	Rate for RCC per cu.mtr.	Rs.13,661 per cu.mtr.
	Say	Rs.14,000 per cu.mtr.

TABLE 11: Rate of RCC with M-25 Design Concrete Work for foundation up to Plinth level

For Phase-II & CWIP

S. No.	Particulars	Rates
1	M-25 Design mix concrete	Rs.7300.00 per cu.mtr.
2	Steel @ 1.25% per cu.mtr. (Total 95 Kg @ Rs.62 per kg)	Rs.5890.00
3	Add for Bending, Cutting of Steel, Shuttering & layering of PCC etc.	Rs.550.00
4	Establishment & Overhead charges @5%	Rs.687.00
5	Rate for RCC per cu.mtr.	Rs.14,427 per cu.mtr.
	Say	Rs.14,500 per cu.mtr.

TABLE 12: Rates for Steel Fabrication as per the industry standards

S. No.	Particulars	Rates
For Phase-I		
1	Rate of Structural steel	Rs.57.00 per kg
2	Fabrication work including cutting/bending	Rs.13.00 per kg
	Total	Rs.70.00 per kg
For Phase-II & CWIP		
1	Rate of Structural steel	Rs.62.00 per kg
2	Fabrication work including cutting/bending	Rs.15.00 per kg
	Total	Rs.77.00 per kg



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

CERTIFICATES FROM RESPECTIVE CONSULTANTS FOR QUANTITY VERIFICATION OF RCC IN FOUNDATION WORKS:



VSK ASSOCIATES
Architecture, Engineering, Management & Consulting
Date: June 27, 2023

R.K. Associates Valuers & Techno Engineering Consultants (P) Ltd.,
D-39, 2nd Floor,
Sector-2, Noida- 201301

Dear Sir,

This is to state that we were appointed as Technical consultant by M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur for the preparation of drawings of their projects for Sponge Iron (DR) and Power Plant. Drawings were prepared based on the machine design drawing suggested and approved by different machine suppliers. Quantification of RCC were estimated based on AutoCad/ StatPro Civil drawings.

As required by you, we hereby confirm that the foundation work has been completed as per drawing and quantity of RMC/RCC consumed in accordance with the same. The details of such drawing and quantity estimation of RCC consumption is as per Annexure attached with this letter.

This letter / certificate is being issued on specific request of M/s Gallantt Ispat Limited.

Thanking you,

For VSK Associates



Copy: M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur 273201

117-118, 1st Floor, SS-1 Majesty Mall, Road No- 43, Pitampura, New Delhi-110034 (India)
Phone : 011-27035311, 011 - 27035298, Mail : vskassociates@hotmail.com, office@vskassoc.in
Website : www.vskassociates.in



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

ANNEXURE TO LETTER / CERTIFICATE

SPONGE - 600 TPD			
SN	Description	RCC	Drawing No.
1	DUST SILO	35.50	DRGN-1&2

POWER PLANT			
SN	Description	RCC	Drawing No.
1	ESP	19.32	VSK/GIL/ESP-PC-FDN-01-R0 GIL/GKP/CS/C-0111-R0

D.G. Room - 600 TPD Factory Building

SN	Description	L	W	H	SQM	Drawing No.
3	DG ROOM SHED	10.43	7.86	5	81.98	GIL/600/DGROOM 1 TO 4



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

ARK ENGINEERING AND POWER
CONSULTANTS (P) LTD.

B - 201, Harihar Residency, 2nd Floor
No. 20, Mannarpuram Main Road
Mannarpuram, Tiruchirapalli - 620 020. T.N
Tel : +91 431 2421730
E.mail : info@arkengg.com
www : arkengg.com

Date: 27th June, 2023

R.K Associates Valuers & Techno Engineering Consultants (P) Ltd.,
D-39, 2nd Floor,
Sector-2, Noida- 201301

Dear Sir,

This is to state that we were appointed as Technical consultant by M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur for the preparation of drawings of their projects for expansion of capacities in Power Plant vide order No. CPP/GIL/50MW/2019-20/1 dated March 29, 2019. Civil Drawings of foundation were prepared based on the machine design drawing suggested and approved by different machine suppliers. Quantification of RCC was estimated based on AutoCad/ Stat Pro Civil drawings.

As required by you, we hereby confirm that the foundation work has been completed as per drawing and quantity of RMC/RCC consumed in accordance with the same. The details of such drawing and quantity estimation of RCC consumption is as per Annexure attached with this letter.

This letter / certificate is being issued on specific request of M/s Gallantt Ispat Limited.

Thanking you,

For ARK Engineering and Power Consultants (P) Ltd

M. Sridhar
(G.Sridhar)



Encl:a/a.

Copy to : M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur 273209.

An Active Resourceful Kit(h) for your engineering needs



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur. U.P.

Annexure to Letter Dt: 27.06.2023

ANNEXURE TO CERTIFICATE

POWER PLANT

S.N.	DESCRIPTION	RCC	DRAWING NO
1	WASTE HEAT RECOVERY BOILER (WHRB)	297.00	PC19001-01-WHRB-001 PC19001-02-WHRB-002
2	TURBINE FOUNDATION	933.10	PC19001-TGD-2-001-RA PC19001-TGD-2-002-SH 1&2-RA PC19001-TGD-2-003-R-NIL PC19001-TGD-3-004-R-NIL PC19001-TGD-1-007-SH 1 TO 2 R-NIL PC19001-TGD-3-007-SH 2 OF 2 R-NIL PC19001-TGD-1-005-R-NIL PC19001-TGD-1-006-R-NIL PC19001-TGD-1-008-SH 1 TO 2 RA
3	STEAM HEADER & PIPE LINE SUPPORT FOUNDATION	44.76	PC19001-MISC-03-002
4	CEP PIT (CONDENSATE EXTRACTION PUMP)	46.00	PC19001-TGD-2-010
5	AUXILIARY FOUNDATION	42.66	PC19001-MISC-01-008
6	AIR CHAMBER	38.00	PC19001-TGD-1-009
	TOTAL	1401.52	



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.



INDUSTRIAL PROJECT CONSULTANT

(Designing, Drawing, Commissioning, Operation & Maintenance of DRI & Steel Plant)

OFFICE : T-50, Shri Radha Kunj, Near Vijay Nagar Chowk, Sector-II, Avanti Vihar, Raipur (C.G.)

Mob. No. - 9993006338, 9993247443, 9993287057, Phone No. : 0771-7960968,

E-mail : ipcoffice2018@gmail.com, project@spongeipc.com, web : www.spongeipc.com

GSTIN - 22AFXPC8798R1Z6

To,

Date: 27-06-2023

R.K Associates Valuers & Techno Engineering Consultants (P) Ltd.,
D-39, 2nd Floor,
Sector-2, Noida- 201301

Dear Sir,

This is to state that we were appointed as technical consultant by M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur for the preparation of drawings of their projects for Slag Circuit vide order reference no. GIL/SO/IPC/S065/2018-19 dated: 05th February, 2019 and GIL/SO/IPC/S065A/2018-19 dated: 01st April, 2019. Civil Drawings of foundation were prepared based on the machine design drawing suggested and approved by different machine suppliers. Quantification of RCC were estimated based on AutoCAD/ Staad Pro Civil drawings. As required by you, we hereby confirm that the foundation work has been completed as per drawing and quantity of RMC/RCC consumed in accordance with the same. The details of such drawing and quantity estimation of RCC consumption is as per Annexure attached with this letter.

This letter / certificate is being issued on specific request of M/s Gallantt Ispat Limited.

Thanking you,

For Industrial Project Consultants

(Authorized signatory)

Rishabh Kumar



Copy: M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur 273209.



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

ANNEXURE TO CERTIFICATE

SLAG CIRCUIT

SN	Description	Grade	RCC	Drawing No.
1	Crusher Building	M-25	116.00	IPC-SLG-202-SH1 TO 4-R0, IPC-SLG-203-SH1 TO 3-R1
2	Separation Building	M-25	298.53	IPC-SLG-C-206-SH1 TO 4, IPC-SLG-C-207-SH1 TO 3
3	Screen House	M-25	101.00	IPC-SLG-C-205-SH1 TO 4-R1
4	Product storage building	M-25	184.50	IPC-SLG-C-209-SH1 TO 4-R0
5	Trestles Foundation	M-25	152.00	IPC-SLG-C-213-SH1 TO 2, 212-SH1 TO 2, 214-SH1 TO 2, 211-SH1 TO 2, 215-SH1, 217-SH1, 217SH1-R0, 208-SH1 TO 3
6	Transfer Tower -01 & 2	M-25	41.00	IPC-SLG-C-204-SH1 TO 3-R0, 208-R0
7	Ground Hopper	M-25	265.50	IPC-SLG-C-201-SH1, 201A-SH1 TO 2
8	Slag Feeding System	M-25	48.00	PLAN-212-SH1 TO 2-R0, 213-SH1 TO 2-R0
9	Jaw Crusher	M-25	49.90	IPC-SLG-C-211 TO 14-R0

POLLUTION EQUIPMENTS OF 600 TPD

		RCC	DRAWING NO
1	ID FAN FOR LSP CHIMNEY	121.00	IPC-600-C-532-SH 1 TO 4-R2
2	BAG FILTER 8 NOS & I.D.FAN 8 NOS	474.37	PLAN AND LAYOUT IPC-600-C-537-1-SH 2 OF 5-R0 IPC-600-C-537-2-SH 4 OF 5-R0 IPC-600-C-537-2-SH 3 OF 5-R0 IPC-600-C-537-4-SH 1 OF 3, 2 OF 3-R1 IPC-600-C-537-5-SH 1 TO 4-R0 IPC-600-C-537-6-SH 1 TO 4-R0 IPC-600-C-537-7-SH 1 TO 4-R0 IPC-600-C-537-8-SH 1 TO 3-R0
3	ELECTROSTATIC PRECIPITATOR (ESP)	199.00	IPC-600-C-531-SH 1 TO 3-R1



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

SPONGE IRON (DRI)

S.N.	Description	RCC	Drawing No
1	KILN INLET BUILDING (K.I.B.)	305.00	IPC-600-C-501-SH1 TO 5-R2
2	KILN STATION-A	637.50	IPC-600-C-502-SH1 TO 5-R0
3	KILN STATION-B	1,430.00	IPC-600-C-503-SH1 TO 5-R0
4	KILN STATION-C	520.00	IPC-600-C-504-SH1 TO 5-R0
5	KILN STATION-D	610.00	IPC-600-C-505-SH1 TO 5-R0
6	KILN MAINTENANCE PLATFORM	39.00	IPC-600-C-509A-SH1 & 2-R0, 509B-SH1 & 2-R0
7	KILN COOLER TRANSFER BUILDING	288.95	IPC-600-C-510-SH1 TO 4-R1
8	COOLER STATION-A	212.20	IPC-600-C-507-SH1 TO 4-R1
9	COOLER STATION-B	239.50	IPC-600-C-508-SH1 TO 4-R1
10	COOLER DISCHARGE BIN	58.00	IPC-600-C-512-SH1 TO 3-R0
11	WATER / COOLER TROUGH	163.50	IPC-600-C-511-SH1 TO 4-R0
12	PRODUCT SEPARATION BIN & I-BIN	278.77	IPC-600-C-515-SH1 TO 4-R0, 515A-SH1-R0
13	PRODUCT STORAGE BIN	608.90	IPC-600-C-516-SH1 TO 8-R2, SH4-R3, SH1-R2, SH4-R0, SH6-R0, SH2-R1, SH3-R1, SH6,7 & 8-R1
14	DAYBIN	720.38	IPC-600-C-525-SH1 TO 4-R1, SH3-R2, SH3A-R0, SH4-R3, SH5-R2, SH6,7,8-R0, SH10A-R0
15	IRON CRUSHER AND SCREEN BIN	352.50	IPC-600-C-519-SH1 TO 4-R1
16	COAL CRUSHER AND SCREEN BIN	343.58	IPC-600-C-523-1,2, & 3-SH1 TO 3-R1, 523A-SH1-R0
17	IRON/ COAL GORUND HOPPER	358.50	IPC-600-C-521-1,2,3&4-R3
18	IRON ORE BUNKER BIN	52.48	IPC-600-C-518-SH1 TO 2-R1
19	CHAR SEPARATION BIN	103.50	IPC-600-C-517-SH1 TO 2-R0
20	PRODUCT CIRCUIT (TRANSFER HOUSE & CONVEYOR SYSTEM)	446.27	IPC-600-C-509C-SH1-R0, 513-SH1 & 2-R1, 524-SH1 TO 2-R0, 526-SH1 TO 2-R0, 535-1-SH1-R0, 535-5-SH1-R0, 535-6-SH1-R0, 535-7-SH1-R0, 535-2-SH1-R0, 535-3-SH1-R0, 535-4-SH1-R0, 514-SH1&2-R0, 535-10-SH1-R1



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

21	SPONGE CONVEYOR	31.84	IPC-600-C-535-15-R1
22	DUCT SUPPORT ESP TO CHIMNEY	15.00	IPC-600-C-532-SH1 TO 4-R1
23	ABC FAN	38.00	IPC-600-C-533-SH1-R0
24	CB FAN	26.00	IPC-600-C-534-SH1-R0
25	COMPRESSOR FOUNDATION	17.93	IPC-600-C-539-SH1-R0

STEEL MELT SHOP

S.N	Description	Grade	RCC	Drawing No
1	Sponge Feeding System	M-25	31.84	IPC-IFD-C-311-SH1 TO2-R2, IPC-IFD-C-312-SH1 TO2-R2, IPC-IFD-C-313-SH1 TO2-R2, IPC-IFD-C-314-SH1-R2, IPC-IFD-C-315-SH1-R2, IPC-IFD-C-316-SH1-R2



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.



R. Singh & Associates (P) Ltd
Consulting Engineers

Since 1968

Date: 25-06-2023

R.K Associates Valuers & Techno Engineering Consultants (P) Ltd.,
D-39, 2nd Floor,
Sector-2, Noida- 201301

Dear Sir,

This is to state that we were appointed as Technical consultant by M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA Gorakhpur for the preparation of drawings of their projects for expansion of capacities in Rolling Mill vide Agreement dated 1st June, 2018. Civil Drawings of foundation were prepared based on the machine design drawing suggested and approved by different machine suppliers. Quantification of RCC was estimated based on AutoCAD/ StaadPro Civil drawings.

As required by you, we hereby confirm that the foundation work has been completed as per drawing and quantity of RMC/RCC consumed in accordance with the same. The details of such drawing and quantity estimation of RCC consumption is as per Annexure attached with this letter.

This letter / certificate is being issued on specific request of M/s Gallantt Ispat Limited.

Thanking you.

for R. Singh & Associates (P) Ltd.



Gurvinder Singh

Gurvinder Singh
(Project Coordinator)

Encl:a/a.

Copy to : M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur 273209.

www.singenes.com

CIN U74899DL1984PTC017493

Regd. Office: 37 Rajpur Road, Delhi-110054 (India) Ph: +91 11 23941600 Email: info@singenes.com
Engg. Office: 3rd Floor, Virat Bhawan, Commercial Complex, Dr. Mukherjee Nagar, Delhi-110009 (India) Ph: +91 11 27650001/4006 Email: projects@singenes.com
Branch Kolkata: Diamond Chambers, Block I, 5th Floor, Room No. 51, Chowringee Lane, Kolkata-700016 (India) Ph: +91 33 40014859



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.



R. Singh & Associates (P) Ltd
Consulting Engineers

Since 1968

ANNEXURE TO CERTIFICATE

ROLLING MILL

S.No.	Description	Grade	RCC	Drawing No.
1	Bar Handling System	M-25	912.06	1817-718A-SH1,2,4-R2 SH3-R0
2	Bar Bending & Bar Transfer Foundation	M-25	23.01	1817-923-SH1-R0
3	Wire rod Mill	M-25	914	GIL-BLOCKMILL-LOCATION,1817-720-SH4-R0 DRAIN PLAN & DETAILS 1817-917-SH1 & 2- R0,1817-717-SH1-R0,1817-706-SH2-R0,1817- 706-SH4-R0,1817-706-SH3,5&6-R1,1817-705- SH1TO5-R1,1817-705-SH6TO9R0,1817-713- SH1&2-R0,1817-913-SH1&2-R0, 1817-904- SH1TO5-R0,1817-704-SH6TO8-R1,1817-701- SH1TO3-R1,1817-703-SH1TO5-R0
4	2 Stand Block with Trenches with Lubrication station in Mill-1	M-25	86	1817-716-SH1-3 RO
5	Automatic Cooling Bed	M-25	550	1817-711-SH1-11-R0,1817-911-SH2-R0
6	4 Stand Block with Trenches with Lubrication station in Mill-2	M-25	250.3	1817-912-SH1 TO 9-R1, 1804-901-SH1R1
7	Filtration System with water Tank	M-25	260.13	1817-927-1-4-R0, 1817-727-SH1-3-R0,
8	Pre Pinch- Mill 2	M-25	6.75	1817-926-SH1 TO 3, 1817-726-SH1 TO 2
9	Post Pinch- Mill 2	M-25	6.75	1817-926-SH1 TO 3, 1817-726-SH1 TO 2
10	Tail Breaker- Mill 2	M-25	12.69	1817-922
11	Pinch Roll 3rd	M-25	2	1817-926-SH1 TO 2
12	Rolling Mill 16" Mill Foundation	M-25	92.5	1817-720-SH1 TO 4 R0
13	Bending Station- 6 Nos	M-25	373	1817-919-SH1-4 R0 GIL-BAR HANDLING -2019
14	4 Stand Block with Trenches with Lubrication station in Mill-2	M-25	250.3	1817-912-SH1 TO 9-R1, 1804-901-SH1R1
15	Bending Station- 6 Nos	M-25	373	1817-919-SH1-4 R0 GIL-BAR HANDLING -2019



Gurpreet Singh

www.singenes.com

CIN U74890DL1984PTC017493

Regd. Office: 3rd Floor, Virat Bhawan, Commercial Complex, Dr. Mukherjee Nagar, Delhi-110009 (India) Ph.: +91 11 27650011/4006 Email: projects@singenes.com
Branch Kolkata: Diamond Chambers, Block-1, 5th Floor, Room No. 51, Chowringhee Lane, Kolkata-700016 (India) Ph.: +91 33 40014859



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.



R. Singh & Associates (P) Ltd
Consulting Engineers

Since 1968

FACTORY BUILDING

S.No.	Description	L	W	H	SQM	Drawing No
1	West ECR Panel Room G+ 1st Floor	78.3	7.4	8.2	579.42	1817-801-1 TO 6-R0
2	Block Mill Panel & Control Room	11.55	6.53	3.65	75.42	1817-802-1 TO 3-R0



Gurpreet Singh

www.singenes.com

CIN: U74909DL1984PTC017493

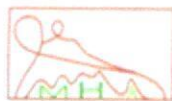
Regd. Office: 3 - Rajpur Road, Delhi-110054 (India) Ph: +91 11 23941600 Email: info@singenes.com
Engg. Office: 3rd Floor, Virat Bhawan, Commercial Complex, Dr. Mukherjee Nagar, Delhi-110009 (India) Ph: +91 11 27650012/4006 Email: projects@singenes.com
Branch Kolkata: Diamond Chambers, Block-I, 5th Floor, Room No- 51, Chowringhee Lane, Kolkata-700016 (India) Ph: +91 33 40014859



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.



U.T. No. 33ACKFSD267L12P

SHRI RAMANA INDUSTRIES Complete Solution for Bulk Material Handling

Regd. Ofc & Factory: 327-10, Sembavathi Nellore Village & Post, Nellore Dist - 524 019
City Ofc: No.298, 1st Floor, Dr. Rajalakshmi Road, Ramakrishna Nagar, Vengal Rao Nagar, Chennai - 600 087
Email: info@shriramana.com Website: www.shriramana.com Call: 97847 41669

Date: 25-06-2023

R K Associates Valuers & Techno Engineering Consultants (P) Ltd
D-39, 2nd Floor,
Sector-2, Noida- 201 1301

Dear Sir,

This is to state that we were appointed as Technical consultant by M/s Gallantt Ispat Limited, AL-5, Sector-23, C.I.D.A, Gorakhpur for the preparation of drawings of their projects for Wagon Tippler, Material Handling and Coal Shed vide order reference no. GIL/SO/SRI/S064/201-19 dated, 14th January, 2019. Drawings were prepared based on the machine design drawing suggested and approved by different machine suppliers. Quantification of R.C.C. were estimated based on AutoCad/ StatPro Civil drawings. As required by you, we hereby confirm that the foundation work has been completed as per drawing and quantity of RMC/RCC consumed in accordance with the same. The details of such drawing and quantity estimation of RCC consumption is as per Annexure attached with this letter.

This letter / certificate is being issued on specific request of M/s Gallantt Ispat Limited.

Thanking you,

For Shree Ramana Industries

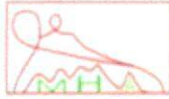



Copy: M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur 773209



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.



SHRI RAMANA INDUSTRIES Complete Solution for Bulk Material Handling

Regd. Office: Factory, 32710, Semeranya Nellore Village & Post, Nellore Dist. - 524 009
City Office: No.209, 1st Floor, Dr. Radhakrishnan Road, Rajahmundry-522 001, Visakhapatnam - 531 001
Email: info@shriramana.in Website: www.shriramana.com Tel: 93847 41469

ANNEXURE TO LETTER / CERTIFICATE

WAGON TIPPLER & MATERIAL HANDLING SYSTEM

SN	DESCRIPTION	RCC	DRAWING NO
1	RBC J&J	646.00	SRI-7016-DT-RBC1-FD-0131-R0 SRI-7016-DT-RBC2-FD-0131-R0 SRI-7016-DL-GIL-RMHS-002-R2 SRI-041-SA-CSS-001-R2
2	MATERIAL HANDLING SYSTEM FOR RAILWAY SIDING (RMBS 1 TO 6)	800.18	SRI-7016-FDN-RMBS-1-106-SH 1 TO 7-R0
3	WAGON TIPPLER WITH TUNNEL	3,650.00	PLAN AND ELEVATION SHI-7016-CV-EX-WT-107-SH1-R0 SHI-7016-DT-WT-FDN-108-SH1-R1 SHI-7016-DT-WT-FDN-108a-SH 1 TO 4-R1 SHI-7016-DT-WT-FDN-109-SH 1 TO 9-R0 SHI-7016-DT-WT-FDN-109a-SH 1 TO 3-R1 SHI-7016-DT-WT-FDN-109b-SH 1 TO 4-R1
4	WAGON TIPPLER SCREEN & CRUSHER BIN	142.00	SRI-7016-DT-CH-FDN-115-SH1 TO 3-R0
5	WAGON TIPPLER CABLE TRENCH & FOUNDATION	22.62	SRI-7016-DT-WT-FDN-109C-SH1-R0
	TOTAL MISC CIVL WORK	5,260.80	

COAL SHED

SN	DESCRIPTION	L	W	H	SQM	DRG NO.
1	COAL SHED	80.85	52.70	24.37	4,260.80	DRG NO-1 SRI-041-C SHED-FDN-017 DRG NO-1 TO 5
2	WAGON TIPPLER MCC BUILDING (3 FLOORS)	15.40	5.50	3.80	254.20	GIL/R/EM-2 SH-1-R3 SRI-7016-DT-WT-FDN-109-R0 SRI-7016-DT-WT-FDN-109a-R0 SRI-7016-DT-WT-FDN-109d-R0 SRI-7016-DT-WT-FDN-109e-R0



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.



HINGORANI ASSOCIATES

VEDIC ARCHITECT
Prof. C.P. Hingorani
B. Arch., M.E. Hons. (Civil)
e-mail : cphingorani@rediffmail.com

HANUMAN MANDIR ROAD, BETIA HATA, GORAKHPUR-MOB.NOS.7905143004, 9415244101

Date: 26-06-2023

To

R.K Associates Valuers & Techno Engineering Consultants (P) Ltd.,
D-39, 2nd Floor,
Sector-2, Noida- 201301

Dear Sir,

This is to state that we were appointed as Technical consultant by M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur for the preparation of drawings of their various projects vide Agreement dated 5th February, 2018. Civil Drawings of foundation / buildings were prepared based on the machine design drawing suggested and approved by different machine suppliers. Quantification of RCC and Steel were estimated based on AutoCad/ StatPro Civil drawings.

As required by you, we hereby confirm that the foundation work has been completed as per drawing and quantity of RMC/RCC consumed in accordance with the same. The details of such drawing and quantity estimation of RCC consumption is as per Annexure -A attached with this letter.

This letter / certificate is being issued on specific request of M/s Gallantt Ispat Limited.

Thanking you,


C.P. HINGORANI (B.Arch M.E. Hons)

Er C P HINGORANI
B Arch., M.E. Hons (Civil)
Chartered Civil Engineer
I.C.I. Regd. No. 12596
Betia Hata, Gorakhpur

Copy: M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Sahjanwa, Gorakhpur 273209.



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

ANNEXURE TO CERTIFICATE

Factory Building		L	W	H	SQM	DWG NO
SMS						
1	Main Shed	42.00	90.00	21.14	3,780.00	PLAN & ELEVATION
2	Billet Shed	24.00	88.65	15.00	2,127.60	PLAN & ELEVATION
3	CCM Pulpit	5.46	7.46	3.80	40.73	PLAN & ELEVATION
4	Panel & Control Building	60.00	8.40	4.60	504.00	PLAN & ELEVATION
5	VFD Panel Room	14.50	7.70	5.40	111.65	PLAN & ELEVATION
6	Bag Store	16.30	16.18	6.80	263.73	PLAN & ELEVATION
7	LRF Building	35.60	8.15	11.30	290.14	PLAN & ELEVATION
8	Tundish Room	8.00	7.85	5.40	62.80	PLAN & ELEVATION
9	Lab -1	3.20	3.20	3.00	10.24	PLAN & ELEVATION
10	Lab -2	8.00	5.00	5.35	40.00	PLAN & ELEVATION
11	Work Shop	24.30	8.00	8.00	194.40	PLAN & ELEVATION
TOTAL					7425.30	
FOUNDATION (SPONGE)						
				RCC		Drawing No
SPONGE- 600TPD						
1	WATER COMPLEX , COOLING TOWER & PUMP HOUSE			123.00		DRG NO 1,2,3
2	TRANSFORMER FOUNDATION			6.75		DRGNO 1
3	DUCT SUPPORT WHRB TO PSB			25.00		D26-OWH-500612, HANDSKETCH
4	OIL TANK			3.50		DRG NO -GIL-600-OILTANK-SH1&2
5	ABC TANK & PUMP STRUCTURE			53.78		HAND SKETCH-SH1 TO5
6	AIR RECEIVER FOUNDATION			5.56		600-TPD-AIR REC -SH1 TO5
7	SCRUBBER PIT			18.21		HANDSKETCH
8	BACKFLOW PIT			8.28		HANDSKETCH
9	OVERSIZE PIT			9.08		HANDSKETCH
10	SIL0 NEAR IBIN			18.48		HANDSKETCH
11	PUMP FOUNDATION NEAR COOLER STATION B			11.80		HANDSKETCH
TOTAL SPONGE 600 TPD				283.44		



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

POWER PLANT		RCC	DRAWING NO
1	AMONIA STORAGE TANK	21.33	GIL CPP-AMN-TANK-LAYOUT
2	CHILLER PLANT	68.61	DRG NO-1 TO 7 LAXMI COOLING TOWER 1&2
3	LIME STONE BUNKER	19.31	JA0106-50550200FLD-001R0 DRG NO 1&2
4	ACID STORAGE TANK	20.66	1240434FD01-SH1-R00 1240434EL01-SH1-R03
5	PA FAN FOUNDATION	41.95	JB0976-50990100-FLD-0010-R00 JB0976-50990100-FLD-0005-R00
6	COOLING TOWER TO CONDENSER PIPE LINE SUPPORT SYSTEM	46.47	HAND SKETCH
7	CABLE RAKE SUPPORT FOUNDATION	3.36	HAND SKETCH
8	SUPPORT STRUCTURE & DISTRIBUTION SYSTEM OF AIR PRESSURIZATION SYSTEM	3.53	HAND SKETCH
9	CPP FLOORING TURBINE AREA	28.00	HAND SKETCH
TOTAL POWER PLANT		253.22	

FOUNDATIONS		Grade	RCC	DRAWING NO
Miscellaneous				
1	RMC Plant	M-25	56.03	PBPB156101-SH1-R0 PBPB150201-SH1-R0
2	132 KVA Tower & Switchyard Foundation	M-25	251.90	08/HDN-FS-31-R0 08/HDN-FS-3 DRG NO- SH 1 TO 13
3	Effluent Treatment Plant (ETP)	M-25	280.00	250311W1L1 TO 250311W2C4
4	Weigh Bridges (2 Nos)	M-25	136.63	LDS-1660-PRO
TOTAL FOUNDATIONS			724.56	



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

Pollution Equipment			
1	LRF Pollution System	M-25	36.23
2	SMS Pollution System-1&2	M-25	537.53
3	Dust Silo	M-25	23.35
4	Slag Circuit Pollution System	M-25	148.29
TOTAL FOUNDATIONS			745.41

FOUNDATIONS		Grade	RCC	Drawing No
SMS				
1	Basement - 2 Nos	M-25	1,101.76	M-10-001-R2, M-10-003-R2, M-10-005-R2, M-10-004-R5, M-10-006-R1, M-10-007-R1, M-10-008-R2, M-10-009-R2, M-10-010-R2, M-10-011-R2, M-10-012-R1, M-10-013-R1, M-10-014-R1, M-10-015-R0, M-10-016-R0, M-10-017-R0, M-10-018-R0, M-10-019-R0, M-10-020-R0, M-10-021-R0, M-10-022-R0
2	11 KVA Cable Rack Foundation	M-25	5.91	HANDSKETCH
3	CCM Billet Conveyor to Rmil	M-25	52.00	PLAN & GIL-BLT CONV-FDN-01
4	CCM Foundation	M-25	686.33	G040-12-002.1-SH1 TO 3, G040-12-004.1, G040-12-003.2-SH1 TO 2, M-10-96-R2, M-10-100-R0, M-10-99-R0, M-10-97-R2, M-10-98-R3 & R1, M-10-91-R1, M-10-94-R0, M-10-95-R0, M-10-98-R2 & R4, M-10-97-R1, M-10-93-R0
5	LRF Support Structure & Foundation	M-25	290.19	DT1-122002-SH1 & 2-R0, DRG NO.1 TO 10
6	LRF Pump Foundation	M-25	2.66	HANDSKETCH
7	LRF Water Tank	M-25	14.97	HANDSKETCH
8	Water Complex & Pump house	M-25	1,072.60	M-13-001&2-R6, PCTE/GIL/001 TO 26

[Signature]



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

9	Oxygen tank & Distribution system	M-25	22.50	LINEA / JWB / EDN / ORJ SHI RO, GIL GIL PETET SHI TOB
10	Scale Pit at CCM	M-25	37.50	HANDSKETCH
11	Silicate Tank & Ladle Ramming Pit	M-25	21.50	GIL SLG PIT SHI TOB GIL SLG PIT SHI TOB NO. 1 TO 5
12	SMS Trenches	M-25	228.91	TCP 19054 / GIL 2 HANDSKETCH GIL RM INR EDN 1
13	Overhead Water Tank	M-25	240.00	HANDSKETCH
14	Transformer Foundation	M-25	0.60	
16	Retaining Wall near 5&6th Furnace	M-25	14.52	
TOTAL			3,843.92	

SLAG CIRCUIT FOUNDATION				
1	Slag Goliath Crane	M-25	105.00	GIL SLG GOL 1 TO 3
ROLLING MILL FOUNDATION				
1	Bar Transfer System 2 Nos	M-25	25.64	5299-02A SH1-R2 1817-919-SH1-4 RD GIL BAR HANDLING 2019 5299-02CSH1 R2
2	Bending Station- 6 Nos	M-25	373.00	
3	CNC Machine Foundation	M-25	47.00	
4	Lubrication Tank 4 Nos	M-25	106.00	DRGNO-1 TO 5
5	Water Tank 2 Nos	M-25	332.00	GIL-RM-CWT-01 TO 7
6	Transformer Foundation (4Nos)	M-25	29.46	GIL-HANDSKETCH
7	Scale Pit & Drain	M-25	4.30	HANDSKETCH
8	Torkan Machine Foundation & Misc Work	M-25	10.10	TORKARI123
9	Pre Pinch- Mill 1	M-25	6.75	RAEW-2013-18/700- 00-RD, 5175-00 TO 01
10	Post Pinch- Mill 1	M-25	6.75	RAEW-2013-18/700- 00-RD, 5175-00 TO 01
12	Continuous Shear- Mill 1	M-25	16.69	AREW/2017-04/600- 00-R1
13	Tail Breaker- Mill 1	M-25	9.30	AREW/2013-18/800- 00-RD, DRG NO.123
14	Water Trough- Mill 1	M-25	10.23	DRG NO 1 TO 3
15	Lube Tank Near Tail Breaker Mill-2	M-25	12.50	DRG NO 1 & 2
16	Lube Tank Near TMT Box Mill-2	M-25	12.50	DRG NO 1 & 2
17	Billet Transfer Trolley System	M-25	5.86	GIL-RM-TRB-0
18	Water Trough- Mill 2	M-25	14.26	A202009,GIL-WT-RM
19	Rolling Mill Trench for water Distribution System	M-25	6.11	GIL-HANDSKETCH
20	Cable Trench	M-25	35.50	GIL-HANDSKETCH
21	Rmill Flooring For Machine Foundation	M-25	260.00	GIL-HANDSKETCH
TOTAL			1321,323.95	



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

Building		L	W	H	SQM	DRAWING NO
SPONGE- 600TPD						
1	CONTROL ROOM(4 FLOORS)	29.23.93	8.48.8.48	4.6	919.69	DRG NO-1,2&3 DRG NO-1 TO 9
2	RMHS ROOM	8	10	4.6	200.00	HAND SKETCH
TOTAL SPONGE 600 TPD					1,119.69	
POWER PLANT						
1	RICE HUSK SHED	101	32	14.6	3,232.00	DRG NO-1 TO 6
2	BED MATERIAL SHED	17	4.4	4.5	74.80	GIL-CPP-BED-SHED
3	AIR PRESSURIZATION SYSTEM BUILDING-1	13	8	6.3	104.00	VSPL/GIL/1994/02 VSPL/GIL/1994/04 DRG NO-1,2,3
4	AIR PRESSURIZATION SYSTEM BUILDING- 2	13	8	6.3	104.00	VSPL/GIL/1994/02 VSPL/GIL/1994/04 DRG NO-1,2,3
5	MAINTATANCE SHED	15.15	7.75	6.3	117.41	DRG NO-1
6	COMPRESOR ROOM	24.9	10.5	4.6	261.45	DRG NO-1
TOTAL POWER PLANT					3,893.66	
MISCELLANEOUS						
1	COAL SHED	80.85	52.70	24.37	4,260.80	DRG NO-1 SRI-041-C SHED- FDN-017
2	WAGON TIPPLER MCC BUILDING(3 FLOORS)	15.40	5.50	3.80	254.10	DRG NO-1 TO 5 GIL/CR/EM-2 SH-1- R3 SRI-7016-DT-WT- FDN-109-R0 SRI-7016-DT-WT- FDN-109a-R0 SRI-7016-DT-WT- FDN-109d-R0 SRI-7016-DT-WT- FDN-109e-R0
TOTAL MISC					4,514.90	

[Handwritten Signature]



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

SPONGE- 600TPD		
	RCC	DRAWING NO
1 ASH SILO	29.00	DRGN-1&2
TOAL SPONGE 600 TPD	29.00	
POWER PLANT		
1 ASH SILO	42.90	OMEC-GH-2019-20-03-SH1-RO
TOAL POWER PLANT	42.90	

Factory Building		L	W	H	SQM	DRAWING NO
ROLLING MILL						
1	Rolling Mill Shed	130.50	26.65	17.83	3,477.83	PLAN AND ELEVATION DRG NO 1 TO 10
2	Rolling Mill Shed	130.50	29.60	17.83	3,862.80	PLAN AND ELEVATION DRG NO 1 TO 10
3	Rolling Mill Shed	130.50	26.65	17.83	3,477.83	PLAN AND ELEVATION DRG NO 1 TO 10
4	Rolling Mill Shed	45.00	25.25	17.83	1,136.25	PLAN AND ELEVATION DRG NO 1 TO 10
5	Air Handling Unit Room	12.30	4.30	4.00	52.89	PLAN AND ELEVATION
6	East Side Panel Room GF	14.50	4.80	2.65	69.60	PLAN AND ELEVATION
7	East ECR Panel Room 1st Floor	29.10	4.80	4.13	139.68	PLAN AND ELEVATION
10	CNC Machine Room	20.00	5.20	2.75	104.00	PLAN AND ELEVATION
11	Lab	8.40	4.45	3.20	37.38	DRG NO- 1 TO 5 DRG NO- 1
12	Panel Room on Lab	11.46	4.46	3.80	51.11	PLAN AND ELEVATION
13	Reheating Furnace Shed	29.30	15.50	8.00	454.15	PLAN FOUNDATION DETAIL AND ELEVATION
TOTAL					12,863.51	

[Signature]



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

ROLLING MILL CIVIL WORK						
Miscellaneous						
1	Meter Room	3.25	3.25	3.00	10.56	PLAN AND ELEVATION
2	Cement Storage Shed (2Nos)	13.85	12.30	4.80	333.39	PLAN AND ELEVATION
		13.70	11.90	4.80		PLAN AND ELEVATION
3	Substation (1.5)	20.10	13.80	6.60	416.07	PLAN AND ELEVATION
4	RMC Panel Room	6.50	5.07	3.00	32.96	PLAN AND ELEVATION
5	Guard Room Main Gate	10	4.15	3.3	41.50	PLAN AND ELEVATION
TOTAL					834.47	



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.



Neatly & Happy Home

HINGORANI ASSOCIATES

VEDIC ARCHITECT

Prof. C.P. Hingorani

B Arch., M.E. Hons. (Civil)

e-mail: cphingorani@rediffmail.com

HANUMAN MANDIR ROAD, BETIA HATA, GORAKHPUR-MOB.NOS.7905143004, 9415244101

Date: 29th June, 2023

To,

R.K Associates Valuers & Techno Engineering Consultants (P) Ltd.,

D-39, 2nd Floor,

Sector-2, Noida- 201301

Dear Sir,

This is to state that we were appointed as Technical consultant by M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur for the preparation of drawings of their Sponge Iron (DRI) Chimney. Civil Drawings of foundation were prepared based on the design drawing suggested and approved by different machine suppliers. Quantification of RCC was estimated based on AutoCad/ StatPro Civil drawings.

As required by you, we hereby confirm that the foundation work has been completed as per drawing and quantity of RMC/RCC consumed in accordance with the same. The details of such drawing and quantity estimation of RCC consumption is as per Annexure attached with this letter.

This letter / certificate is being issued on specific request of M/s Gallantt Ispat Limited.

Thanking you,

For HINGORANI ASSOCIATES

C.P. HINGORANI

B Arch. M.E. Hons. (Civil)

Encl:a/a.

Copy to : M/s Gallantt Ispat Limited, AL-5, Sector-23, GIDA, Gorakhpur 273209.

Er C.P. HINGORANI
B Arch., M.E. Hons. (Civil)
Chartered Civil Engineer
ICI Regd No. 12596
Betiya Hata, Gorakhpur



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

ANNEXURE TO CERTIFICATE

S N	Description	RCC	Drawing No.
1	CHIMNEY 4 NO	445 00	SAPL-19041 06 GLT-75-501 TO 4-R0



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

CERTIFICATE FROM RESPECTIVE CONSULTANTS FOR QUANTITY VERIFICATION OF STEEL USED IN FABRICATION WORKS:

O.P. Sharma

Govt. Reg. Valuer & C. Egr.
M: 9335918865

8/96, Indira Nagar, Lucknow
E: opsharma948@gmail.com

To,
The Chief Account Officer,
M/S Gallantt Ispat Limited,
AL-5, Sector-23, GIDA, Gorakhpur,
Gorakhpur.

Dear Sir,

As per your request we have carried out inspection of your plant at above site. We have also audited the bills of parches of steel during the final year 2018-19, 2019-20, 2020-21 & 2021-22 by you. We have thoroughly checked the quantities of steel used in fabrications in the plant during above period. Our findings are entered in the attached sheet.

We hereby confirm that the steel fabrication work has been completed as per drawing and quantity of steel consumed is in accordance with the same. The details of such drawing with its quantity is as per Annexure with this letter.

This letter / certificate is being issued on specific request of M/s Gallantt Ispat Limited for their valuation verification purposes.

Thanking you,


For O.P. Sharma

Er. O.P. Sharma (FIE, FIV)
Govt. Reg. Valuer Cat-4B-2337 (P&M)
Approved Valuer (F-15894)
Chartered Engineer (F-1105829)



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

COSTING STEEL STRUCTURE (POWER PLANT & SPONGE)			
	Structural Steel	Drawing No.	Consultant
SPONGE- 600TPD			
1 KILN INLET BUILDING (K.I.B.)	549.07	IPC-600-C-502	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
2 KILN MAINTENANCE PLATFORM	106.52	IPC-600-S-402-1	VSK Associate, New Delhi
3 KILN COOLER TRANSFER STRUCTURE	233.50	IPC-600-S-403-1	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
4 COOLER DISCHARGE STRUCTURE	21.99	IPC-600-S-405-1	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
5 WATER / COOLER THROUGH	41.48	IPC-600-S-404-0	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
6 PRODUCT SEPARATION STRUCTURE & I-BIN	217.09	IPC-600-P&E-716-1	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
7 PRODUCT STORAGE STRUCTURE	133.39	IPC-600-S-410-6	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
8 PRODUCT CIRCUIT (TRANSFER / TRUSSELS & CONVEYOR SYSTEM)	479.74	IPC-600-S-406-1	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
9 DAYBIN	171.65	IPC-600-S-4011-9	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
10 IRON CRUSHER AND SCREEN STRUCTURE	183.14	IPC-600-S-413-1	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
11 COAL CRUSHER AND SCREEN STRUCTURE	120.74	IPC-600-S-417-2	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
12 IRON/ COAL GORUND HOPPER	15.89	IPC-600-S-416-0	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
13 IRON ORE BUNKER	99.70	IPC-600-S-414-01	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
14 CHAR SEPARATION STRUCTURE	137.07	IPC-600-S-409-03	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
15 IRON ORE TRANSFER TOWER-1	10.34	IPC-600-S-412-0	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
16 RMHS CONVEYORS	283.01		
17 WALKWAY BETWEEN MCC ROOM TO KILN STATION B	3.99		
18 TRANSFER TOWER -6	4.31	IPC-600-S-406	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
19 TRANSFER TOWER -5	28.51	IPC-600-S-407	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
20 TRANSFER TOWER -4	26.27	IPC-600-S-420	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
21 DUCT SUPPORT WHRB TO PSB	32.00	IPC-600-S-421	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
22 DUCT SUPPORT ESP TO CHIMNEY	33.44	IPC-600-S-422	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
23 COAL TRANSFER TOWER-2	44.18	IPC-600-S-423	INDUSTRIAL PROJECT CONSULTANT, RAIPUR
24 PACKING PLATES	14.96		
TOAL SPONGE 600 TPD	2,991.94		
Power Plant			

By: O.P. Sharma (FIE, FIV)
Govt. Reg. Value Cat-VB-2337 (P&M)
Approved Value (F-15894)
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	Structural Steel		
1 WASTE HEAT RECOVERY BOILER (WHRB)	205.00	D23-IWH-502059	THERMAX, PUNE
2 TURBINE FOUNDATION	3.40	1-30901-00196	BHEL, HYDERABAD
3 SUPPORT STRUCTURE & DISTRIBUTION SYSTEM OF AIR PRESSURIZATION SYSTEM	52.00	PCI9001-16-01-0-52	ARK, TAMILNADU
TOAL POWER PLANT	260.40		
Miscellaneous			
Wagon Tippler and Material Handling System			
1 RBC-1,2	79.81	SRI-7016-DT-RBC-1-CP-1007	SHRI RAMANA INDUSTRIES, CHENNAI
2 SBC	176.54	SRI-7016-01-GIL-RMHS-004	SHRI RAMANA INDUSTRIES, CHENNAI
3 RMBC 1 TO 6	422.73	SRI-7016-DT-RMBC-1-251	SHRI RAMANA INDUSTRIES, CHENNAI
4 CRUSHER HOUSE	74.19	SRI-7016-DF-DT-SF-963	SHRI RAMANA INDUSTRIES, CHENNAI
5 JUNCTION & TRANSFER STRUCTURE 1 TO 6	421.71	SRI-7016-DT-NJT-IFB-703	SHRI RAMANA INDUSTRIES, CHENNAI
6 BAG FILTERS	122.86	7939-2NJ00-4C4-180-02	TECHFLOW, AHAMDABAD
7 WAGON TIPPLER HOPPER, PLATEFORM ETC	283.79	10246014-DWK	METSO, HARYANA
TOAL MISC	1,581.63		
POLLUTION CONTROL SYSTEM			
SPONGE- 600TPD			
1 CHIMNEY 4 NOS	21.00	GML-06112014	TECHFLOW, AHAMDABAD
2 BAG FILTER 8 NOS	250.00	GML-06112014-02	TECHFLOW, AHAMDABAD
3 ELECTROSTATIC PRECIPITATOR (ESP)	217.39	EEAC010110	THERMAX, PUNE
4 DUST SILO	100.00	OMEC/GIL/2019-20/01	OM ENGINEERING & CONSULTANCY, ALLAHABAD
5 ASH SILO		OMEC/GIL/2019-20/01	OM ENGINEERING & CONSULTANCY, ALLAHABAD
TOAL SPONGE 600 TPD	588.39		
POWER PLANT			
1 ESP	38.00	EEAC010110	THERMAX, PUNE
2 ASH SILO	74.00	OMEC/GIL/2019-20/01	OM ENGINEERING & CONSULTANCY, ALLAHABAD
TOAL POWER PLANT	112.00		

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INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

STEEL USED IN BUILDING			
No.	Description	Qty In MT	Consultant
STEEL USED IN FABRICATIONS			
ROLLING MILL			
1	WIRE ROD MILL	126.21	G1-SKT-074-SH1
2	Bar Handling System	78.14	52299-01
3	Bending Station- 6 Nos	16.33	5299-1301A
4	Bar Bending & Bar Transfer Foundation	12.14	5299-101A
5	2 Standaard Block with Treanches with Lubrication station in Mill-1	6.40	A404004 (EQ & TS)
6	Automatic Cooling Bed	50.05	5298-01A
7	Filtration System with water Tank	1.90	
8	Scale Pit & Drain	1.78	
9	Tail Breaker- Mill 1	0.99	A404004 (EQ & TS) SH1
10	4 Standaard Block with Treanches with Lubrication station in Mill-2	10.61	A404004 (EQ & TS) SH2
SMS			
1	11 KVA Cable Rack Foundation	36.26	GML/GKP/CABLE TRAY-03
2	CCM Billet Conveyor to Rolling Mill	5.00	G1-SKT-076-SH1
3	CCM Foundation	87.55	M-10-92-RD
4	WATER COMPLEX (60MT)	47.33	PCTE/GIL/001
5	Sponge Feeding System	65.01	IPC-IFD-P&E-331
SLAG CIRCUIT			
1	Crusher Building	63.41	IPC-SLG-S-301-1
2	Separation Building	148.53	IPC-SLG-S-305-1
6	Screen House	78.18	IPC-SLG-S-304-1
4	Product storage building	160.13	IPC-SLG-S-307-1
5	Trustle Foundation & Conveyor gallery	217.80	IPC-SLG-P&E-501-1
6	Transfer Tower -01 & 2	30.66	IPC-350-S-309-1/IPC-350-S-3
7	Goliath Crane Erection & Old Scrap shed	11.27	IPC-SLG-C-201
8	Ground Hopper	21.46	IPC-SLG-301-1
9	SLAG FEEDING SYSTEM	35.00	IPC-SLG-C-213
10	Jaw Crusher	22.68	MREPL/J/C
POLLUTION EQUIPMENTS			
1	Slag Circuit Pollution System	197.77	GIL/PO/A099/2019-20
2	LRF Bagfilter	19.74	GIL/PO/A099/2019-21
3	POLLUTION SYSTEM SMS	307.53	GIL/PO/A099/2019-21
4	Dust Silo and Pipe Line SMS	86.19	OMEC/GIL/1122/2018-19/23

Er. O.P. Sharma (FIE, FTV)
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INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

COSTING STEEL STRUCTURE (PELLET)				
Steel Fabrication				
Sl		Structural Steel		
	PELLET PLANT	QTY	Drawing No.	Consultant
1	PGP COAL SHED	65.00	BIT-1049-23-S-02	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
2	FILTER CAKE SHED	220.00	BIT-1049-02-S-54	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
3	IRON ORE SHED	610.00	GIL/GKP/IRONORE/S	VSK Associate , New Delhi
4	FILTER PRESS BUILDING	569.00	BIT-1049-20-S-14	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
5	BALLING DISC	925.00	BIT-1049-01-S-C-8	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
6	GRINDING BLDG.	240.00	BIT-GIL-08-M-08	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
7	ESP	250.00	BIT-1049-09-C-01	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
8	PGP	320.00	BIT-1049-23-C-09	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
9	TRANSFER HOUSE	169.00	BIT-1049-13-S-09	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
10	DUCT & DUCTING SUPPORT	664.00	BIT-1049-10-G-01	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
11	KILN	62.00	BIT-1049-31-C-01	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
12	DAY BIN BUILDING	230.00	ITC-350-S-018A	INDUSTRIAL TECHNICAL CONSALTANCY, Raipure
13	REJECTION BUILDING	121.00	BIT-1049-116-S-10	Breslau Infrastructure & Tecnology Pvt Ltd , Durgapure
	TOTAL PELLET	4,445.00		

Er. O.P. Sharma (FIE, FIV)
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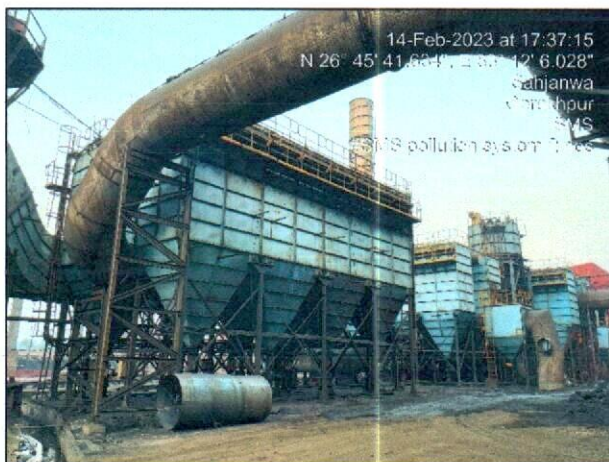


INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

PART G

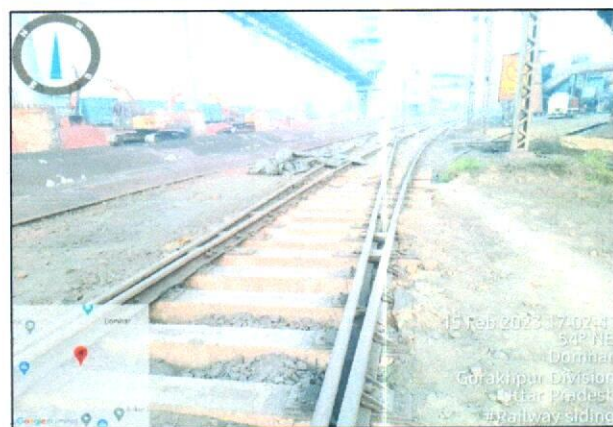
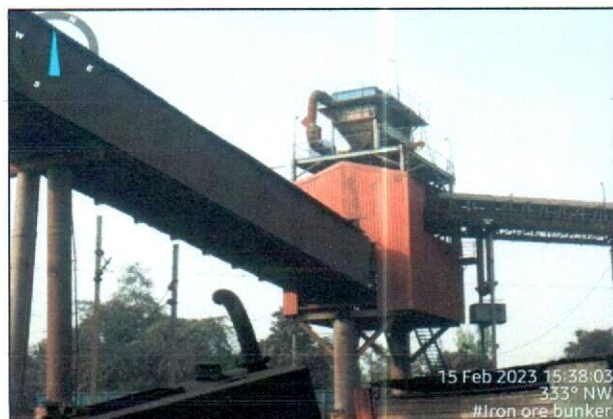
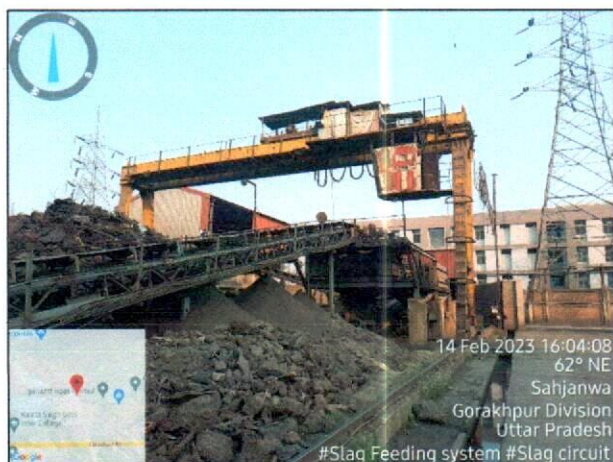
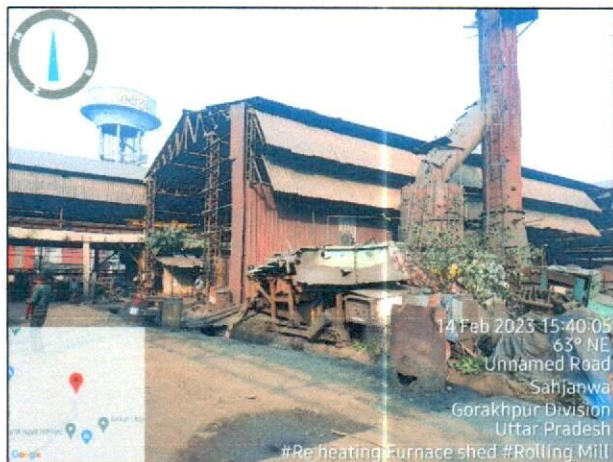
PHOTOGRAPHS OF THE PLANT



INDEPENDENT ENGINEERING REPORT

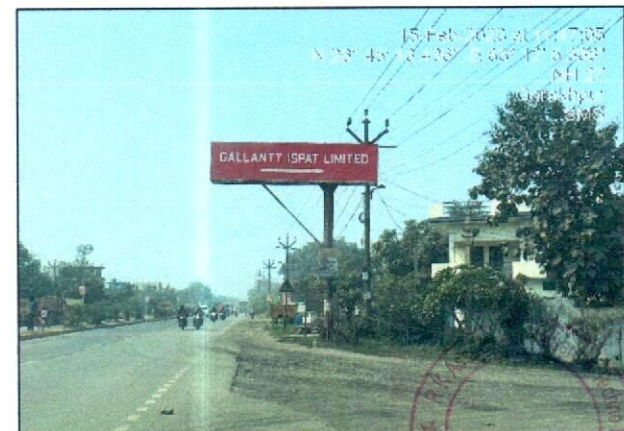
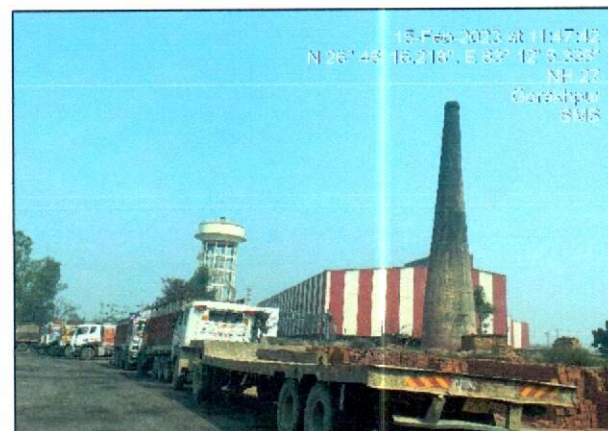
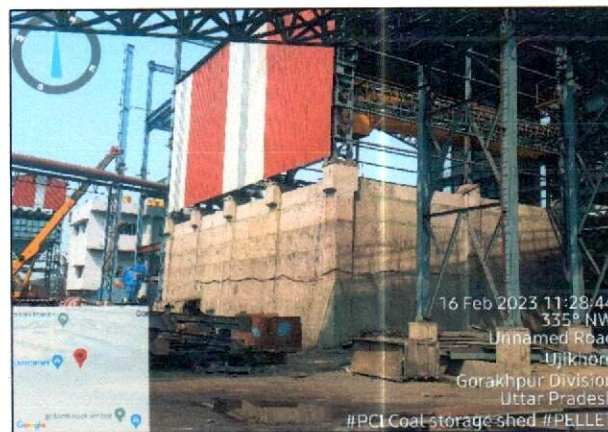
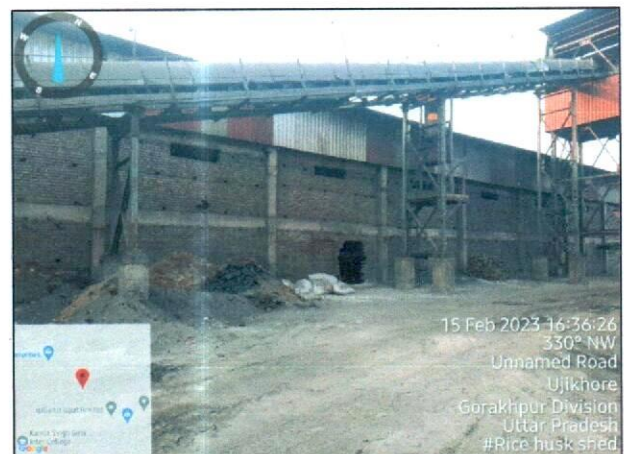
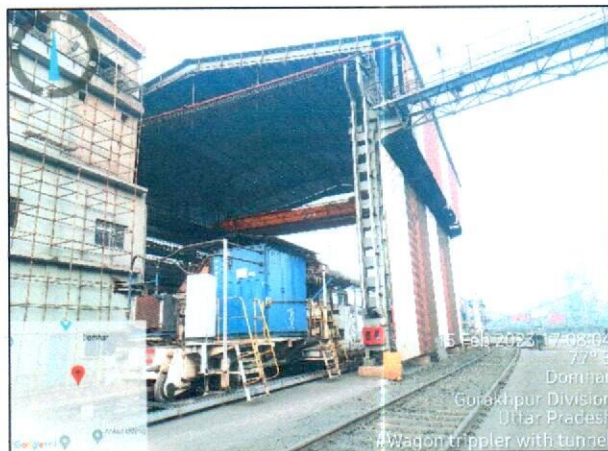
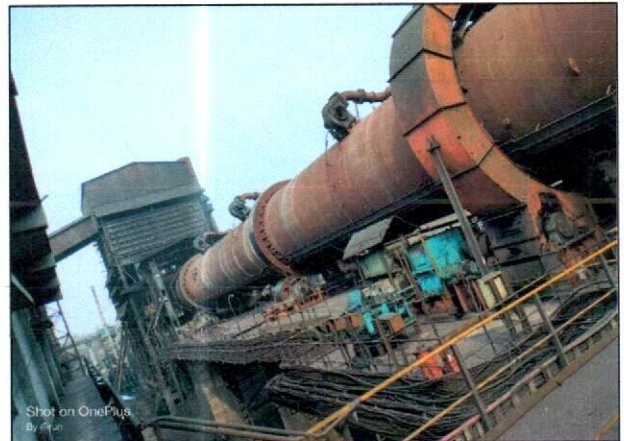
M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.



INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.



PART H

DISCLAIMER

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2. This report is prepared based on the copies of the documents/ information which interested organization or customer could provide to us out of the standard checklist of documents sought from them and further based on our assumptions and limiting conditions. All such information provided to us has been relied upon and we have assumed that it is true and correct. Verification or cross checking of the documents provided to us has not been done at our end from the originals. If at any time in future it's found or came to our knowledge that misrepresentation of facts or incomplete or distorted information has been provided to us then this report shall automatically become null & void.
3. This report is a general analysis of the project and not an audit report. All the information gathered is based on the facts seen on the site during survey, verbal discussion & documentary evidence provided by the client and is believed that information given by the company is true best of their knowledge.
4. All observations mentioned in the report is only based on the visual observation and the documents/ data/ information provided by the client. No mechanical/ technical tests, measurements or any design review have been performed or carried out from our side during Project assessment.
5. User of this report should ONLY take this report as an Advisory document from the Financial/ Chartered Engineering firm and it's specifically advised to the creditor to cross verify the original documents for the facts mentioned in the report which can be availed from the borrowing company directly.
6. In case of any default in loans or the credit facility extended to the borrowing company, R.K Associates shall not be held responsible for whatsoever reason may be and any request for seeking any explanation from the employee/s of R.K Associates will not be entertained at any instance or situation.
7. This Report is prepared by our competent technical team which includes Engineers and financial experts & analysts.
8. This is just an opinion report and doesn't hold any binding on anyone. It is requested from the concerned Financial Institution which is using this report for taking financial decision on the project that they should consider all the different associated relevant & related factors also before taking any business decision based on the content of this report.

INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited

Steel Manufacturing Plant, Gorakhpur, U.P.

9. All Pages of the report including annexures are signed and stamped from our office. In case any paper in the report is without stamp & signature then this should not be considered a valid paper issued from this office.
10. Defect Liability Period is **30 DAYS**. We request the concerned authorized reader of this report to check the contents, data and calculations in the report within this period and intimate us in writing if any corrections are required or in case of any other concern with the contents or opinion mentioned in the report. Corrections only related to typographical, calculation, spelling mistakes will be entertained within the defect liability period. No request for any illegitimate value revision, date change or any other facts & figures changes will be entertained other than the one mentioned above.
11. R.K Associates encourages its customers to give feedback or inform concerns over its services through proper channel at le@rkassociates.org in writing within 30 days of report delivery. After this period no concern/ complaint/ proceedings in connection with the Valuation Services can be entertained due to possible change in situation and condition of the property.
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INDEPENDENT ENGINEERING REPORT

M/s. Gallantt Ispat Limited
Steel Manufacturing Plant, Gorakhpur, U.P.

submitted on payment of charges by the plaintiff or respondent which will be 10% of the original fees charged where minimum charges will be Rs.15,000/-.

Place : New Delhi
Date : 12.10.2023

Note : This report contains 76 pages

FOR INTERNAL USE

SURVEYED BY: Er. Manas Upmanyu &
Er. Arup Banerjee

PREPARED BY: PE Team

REVIEWED BY: MA

For R.K Associates

Project Engineering Team



DEFECT LIABILITY PERIOD - In case of any query/ issue or escalation you may please contact Incident Manager by writing at valuers@rkassociates.org. We ensure 100% accuracy in the Calculations done, Rates adopted and various other data points & information mentioned in the report but still can't rule out typing, human errors or any other mistakes. In case you find any mistake, variation, discrepancy or inaccuracy in any data point of the report, please help us by bringing all such points into our notice in writing at valuers@rkassociates.org within 30 days of the report delivery, to get these rectified timely, failing which R.K Associates Valuers Techno Engineering Consultants (P) Ltd. won't be held responsible for any inaccuracy in any manner. Also, if we will not hear back anything from you within 30 days, we will assume that report is correct in all respect and no further claim of any sort will be entertained thereafter. We would welcome and appreciate your feedback & suggestions in order to improve our services.

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