

Comment Grove Publications.

Acc No R 3.6.6.

GOVERNMENT OF INDIA

MINISTRY OF STEEL, MINES & METALS

(DEPARTMENT OF IRON & STEEL)

NEW DELHI

#### CORRIGEIDA

- (1) Under 'Contents':-
  - (i) Against '24. Future Development' Read '35-36' 124. '35-36' under the column 'Pages'.
  - (ii) Against '25. Appendix I' Read '37' under the column 'Paras'
  - (111) At the end ADD '26. Appendix II' and against it in the second appendix II' and against it in the second appendix in the second appe against it '38' under the column and he +--
- (2) At the top of Organizational Chart appendix at the end of the Report INSERT (3) At +1-
- (3) At the bottom of the Organizational Chart
  INSERT '38' as Dozna Organizational INSERT '38' as Page Number.
- (4) At page 10 in the last column of the given under 'Imports' FOR '(In tonnes)' Read '(In crores)'.

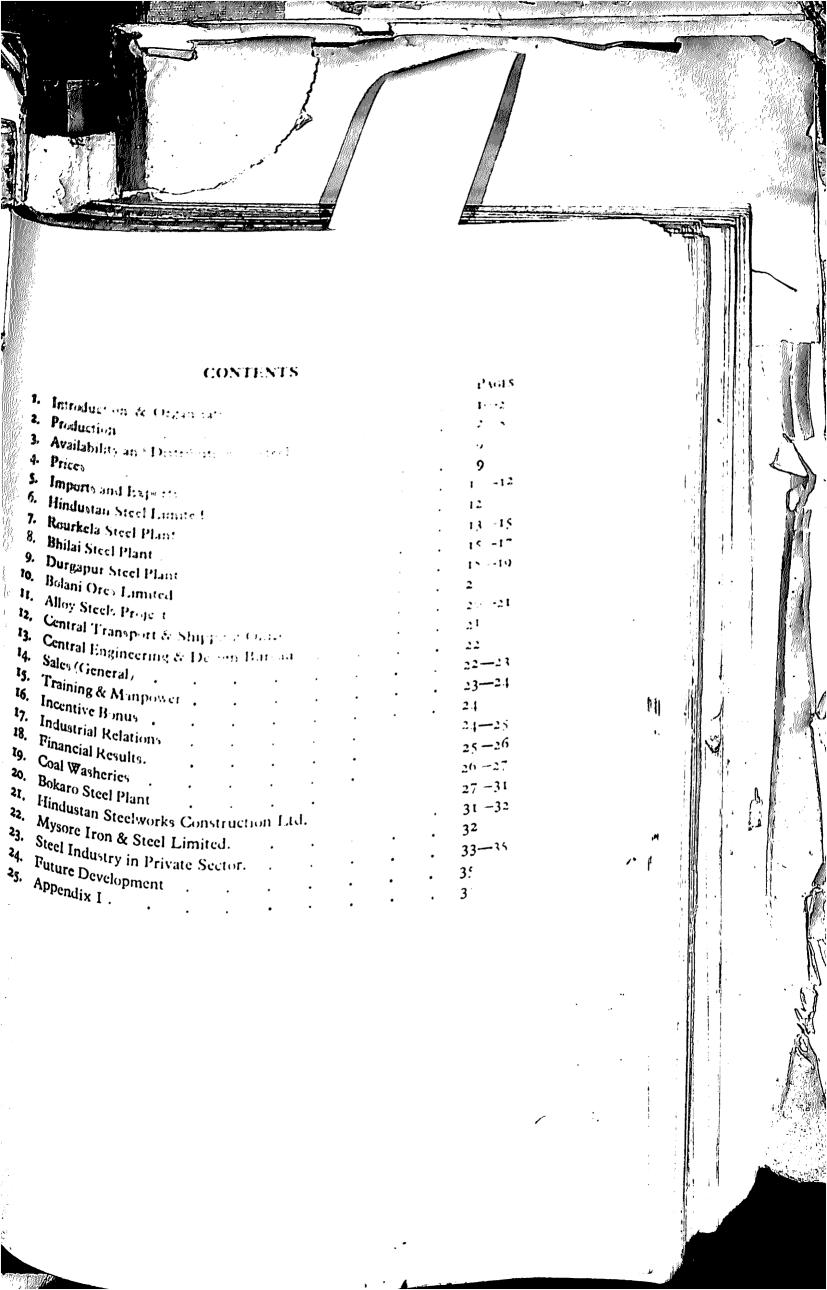
#### CORRIGETDA

- (1) Under 'Contents':-
  - (i) Against '24. Future Development' Read '35-36' under the column 'Pages'.
  - (11) Against '25. Appendix I' Read '37' under the column 'Pages'.
  - (iii) At the end ADD '26. Appendix II' and against it '38' under the column 'Page:
- (2) At the top of Organizational Chart appended at the end of the Report INSERT 'Appendix
- (3) At the bottom of the Organizational Chart INSERT '38' as Page Number.
- (4) At page 10 in the last column of the table given under 'Imports' FOR '(In tonnes)' Read '(In crores)'.

### CORRIGE! DA

- (1) Under 'Contents':-
  - (i) Against '24. Future Development' Read '35-36' under the column 'Pages'.
  - (11) Against '25. Appendix I' Read '37' under the column 'Pages'.
  - (iii) At the end ADD '26. Appendix II' and against it '38' under the column 'Pages'.
- (2) At the top of Organizational Chart appended at the end of the Report INSERT 'Appendix II'
  (3) At the bottom of the Organizational Chart
- INSERT '38' as Page Number.

  (4) At page 10 in the last column of the table given under 'Imports' FOR '(In tonnes)'



(In tomes)

(In tonnes)

Organisation has been submitted on 21st March, 1967, and is under consideration of Government

In September, 1966, a committee headed by Sim A. K. Sarkar, former Chief Justice of India, was appointed to enquire into transactions with certain firms which were given large licences from 1951-52 onwards. This Committee was appointed pursuant to recommendation of the Public Accounts Committee.

# PRODUCTION

Production of tren and steel during 1966 was as under-

1. Production of Salestile Pig Ir. n.

19	1965				÷	*** ** *. · ·	• •	icer	Produc
			÷			<sup>Ne®</sup> Marantes			Eco
20	32,203							•	sco .
20	217,022						•	•	Avecto.
6.	Nil			•			•	•	curkeia
6	73.517	•	•				•	•	nilai
51 21	452.051	•	•		•	•	•	•	urgapur
20 2	321-303	•	•			•	•	Corns	d. Dev. (
2	32,634	•	•			•	•	-orpn,	cme .
	4,111	•	•		•	•	•	T <sub>OTAL</sub>	7

<sup>\*</sup>Based on figures of actual production from January to November, and
2. Production from January to November, 1966.

2. Production of Electric Furnace Ingots

Main						(In	ionnes)
Main Produ	cers						1966
Tisco Mysore.						1965	16,961
- vsore	•	•		•	•	17,224	22,804
	$T_{OTAL}$ (1)	•	•	•	•	22,208	49,825
	(-)	•	•	•	•	39,432	

Alleren Prosilieren	•	<del> </del>			1965	1966
Other:	- 22.22					a 444
Illiartia Flectric Steel I td.		•	•	•	2,852 15,918	2,444 13,234
National Iron & Steel Co. Limite	ત	•	٠	•	16,964	30,274
Guest Reen Williams Ltd.		•	•	•	6,860	5,410
Suigh Prigg. Works (P. Ltd		•	٠	•	6,932	6,526
Mukand Iron & Steel Works Lit	mite	rd.	•	•	9,289	9,103
J. K. Iron & Steel Co. Ltd.		•	•	•	7,901	8,046
Hindustan Iron & Steel Co.		•	•	•	1,847	1,771
Steel Rolling Mills of Hindustan	n (P	) Lii	mited	٠	• •	3,339
Andhra Steel Corpn, Ltd.	•	•	•	•	68,563	80,147
Torat, inv	•	•	•	•	1,07,995	1,29,97
GRAND TOTAL (1) & (ii)	•	•	•	•		

3 a . Production of finished steel-Producerwise :

Producer		2 1 5 3 F	, <b>, , , , , , , , , , , , , , , , , , </b>				1965	1966
		···					. 1,108,578 1,	072,111*
Tisco .	•	•	•	•	•	•	618,883	579, <sup>203</sup>
lisco.	•	•	•	•	•	•	45.797	57:772
Mysore.		•			•	•	724,593	654,081
Rourkela		•	•	•	•	•	692,265	735,996
Bhilai .	•	•	•	•	•	•	519,376	417,401
$D_{ m urgapur}$	•	•	•	•	•	•	139,938	129,573
Secondary I	rodu	cers	•	•	•	•	443,580	454,100
Re-R	ollers		•	•	•	•	113,166	106,460
Wire Drawi	ng Ui	nits	•	•	•	•	122,542	137,400
Un-Regd. F	Re-Ro	llers	•	•	•	•	4,528,718	<b>[</b> 4,344,097

<sup>\*</sup>Only figures for December, 1966 are estimated

 $T_{OTAL}$ 

The state of the s		يست سد	# Z		Sint Mexico		(In	tonnes)
Category						. xx <b></b>	1965	19664
Ltø. & Med. Structi	irals .		7.6 - <del>1000, 100</del>		. FF - Married	-	671.083	601,635
Heavy Structurals			•	•	•	•	571,983 203,086	193,870
Heavy Rails :						•	20,,000	- 73,-1-
(i) 1st Class								
(ii) 2nd Class		•	•	•	•	•	323,696	294,934
Light Rails	•	•	•	•	•	•	108,404	99,619
Bl. Sheet (Corr.)	•	•	•	•	•	•	15.762	6,706
Bl. Sheet (Plain):	•	•	•	•	•	•	• •	23,247
(i) Hot Rolled								
(ii) Cold Rolled	•	•	•	٠	٠	•	274,345	269,879 <sup>,</sup>
Galvd. Sheet (Plain)		•	•	•	•	•	109,587	77,004
Galvd. Sheet (Corr.	, )	•	•	•	•	•	25,954	12,658
Plates	,	•	•	•	•	•	98,789	36,572
Rare	•	•	•	•	•	•	380,245	367,483
Rods	•	•	•	•	•	•	1,267,522	1,326,749
Black Wire	•	•	•	•	•	•	324,311	272,287
- with the .	•	•	•	•	•	•	58,215	52,60
Galvd. Iron Wire:								
(i) Telegraph		_					507	2.060
(ii) Others		•	•	•	•	•	597 31,082	2,060
High Carbon Wire	•	•	•	•	•	•		35,3 00
Hoops			•	•	•	•	23,272 11,934	16,500
Strips:			·	•	•	•	*****	9,00
(i) Hot Rolled								_
(ii) Cold Rolled	•	•	•	•	•	•	174,370	167,541
Sleepers	•	•	•	•	•	•	46,018	52,276
Tinplates	•	•	•	•	•	•	96,611	74,990
Skelp	_	•	•	•	•	•	89,701	79,327
Wheels, Tyres &	Axles	•	•	•	•	•	198,322	201,814
Special Sections .		•	•	•	•	•	58,208	49,046
•		•	•	•	•	•	36,704	21,000
	Тота	L	•		_			
				•	•	•	4,740,718	4,344,097

<sup>\*</sup>Only figures for December, 1966 are estimated

3(c). Production of Inget: during traits

In towner

Main Produces:	11.3:11	Pleatest	Teta!
Tala Iran & Steel Co. Ltd. Indian Iran & Steel Co. Ltd.	1,951,855 948,773	11,224	1,969,110 948,773 64,367
Rounded Service 1.1.1.	42,159	22,30 <sup>8</sup>	1,077,482
Bhilai Steel Plant Durgapur Steel Plant	1,264,200 1,014,983	egen an e a en acamento anca	1,017,083
TOPTAL CO.	6,31,693	10,412	6, 144,115
Others:  Bhartia Electric Steel (2), Ltd  National Iron & Steel (2), Ltd	. •	2,852	2.852 15.918
Mukand I William's Limited		15,915 16,964 6,932	16,964 6,93 <b>2</b>
J. K. Engg. Works (P) Limited.	• •	6,860 9,289	6,860 9,289
Steel Rolling Mills of Hindustan Li-		7,901	7,901
Steel Corpn.	• •	1,847	
Torne(ii)	• •	68,563	68,563
GRAND TOTAL (i) & (ii)	6,304,683	107,995	6,412,678

# 3(d). Production of Ingots during 1966\*:

(In tonnes)

				\	
Main Producers			Basic	Electric	Total
Tata Iron & Steel Co. Ltd. Indian Iron & Steel Co. Ltd. Mysore Iron & Steel Ltd. Rourkela Steel Plant Bhilai Steel Plant Durgapur Steel Plant	· · ·	· · ·	1,993,982 924,466 39,404 976,391 1,765,180 780,364	16,961 32,864 	2,010,943 924,466 72,268 976,391 1,765,180 780,364
$T_{OTAL(i)}$ .	•		6,479,787	49,825	6,529,612

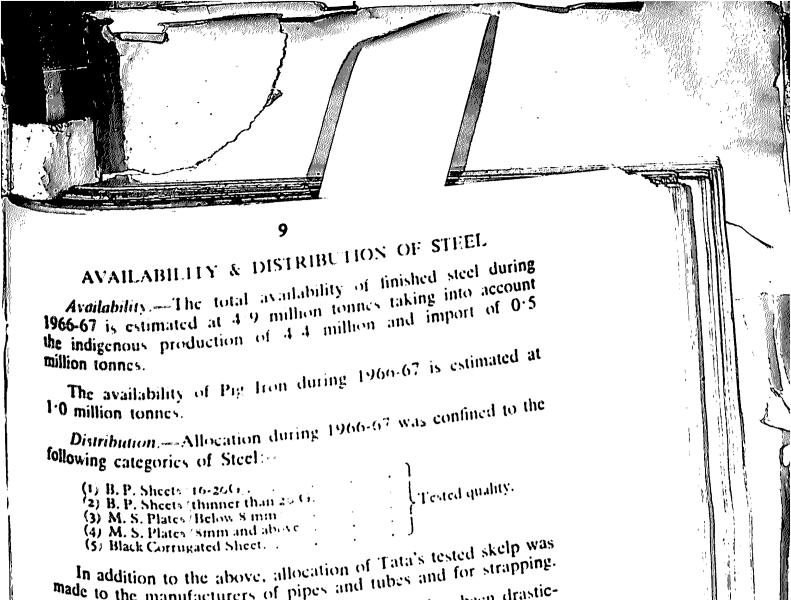
<sup>\*</sup>Only figures for December, 1966 are estimated.

3 M of S & M-2

		-					(1)	n tonnes)
Sain Producers					Bas	ic Ele	ctric	Total
Others:	n i di dik man pamagan							•
Bhartia Electric	Steel (	Co. Li	rd.			2,	444 -	P2,44
National Iron &	Steel	Co. L.	td.	•		13,		13,23
Guest Keen Wil	lliams l	Ltd.		•	• •	30,	274	30,27 6,52
Mukand Iron &	Steel	Work:	(P) I	Ltd.		6,	526	
Singh lingg, Wo	orks (P	) Ltd.	•	•		5,	410	9,10
J. K. Iron & Ste	el Co.		•	•		9,	103	8,04
Hindustan Iron	& Stee	I Co.	• ,	<b>-</b> . •		0,0	046	
Steel Rolling M mited.	ills of	Hindi	istan .	Li-		•	771	1,77
Andhra Steel Co	•	•	•	•			77I 339	3,33
Andrita Steet Co	orpn.	•	•	•	•••		33 <del>7</del> 	
Total (i	i) .			•	••	80,	147	80,14
GRAND TOTAL	r (i)&	(ii)			6,479,78	7 129,	972	6,609,7
4. Import of Iron December, 1966):	& Ste	el mai	terials	duri	ng 1965-66	5 and 196	6-67	
	& Ste	el mai	erials	duri	ng 1965-60			* ralese
4. Import of Iron December, 1966):  (a) 1965-66	& Ste	el mai	erials	duri	ng 1965-60			* ralese
(a) 1965-66	,	el mai	erials	duri	ng 1965-60	Quantii (In M/	Y)(I 1)(I	Value n '000 R
Bloom, Billets &	,	el mai	erials	duri	ng 1965-60	Quantii (In M/	y (I I') (I 587	Value n '000 R 32,43 10,86
Bloom, Billets & Structurals Rails	,	el mai	erials	duri	ng 1965-60	Quantii (In M/	(1) (I 687 152 188	Value n '000 R 32.43 10,86
Bloom, Billets & Structurals Rails	,	el mai	erials	duri	ng 1965-60	Quantii (In M/	587 152 188 188	Value n '000 R 32,43 10,86 63 35, <b>18</b>
Bloom, Billets & Structurals Rails Tinplate Sheets	,	el mai	erials	duri	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4	(1) (I 587 152 188 034 142	Value n '000 R 32,43 10,86 35, <b>1</b> 8 2,43, <b>91</b>
Bloom, Billets & Structurals Rails Tinplate Sheets Plates	,	el mai	erials	duri	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,0	587 152 188 142 142 124	Value n '000 R 32,43 10,86 35, <b>18</b> 2,43, <b>91</b> 2,43, <b>91</b>
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods	,	el mai	erials	duri	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6	587 152 188 034 142 024	Value n '000 R 32,43 10,86 63 35, <b>18</b> 2,43,91 83,00 74,59 41,41
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire	,	el mai	erials	duris	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 81,6	587 152 188 034 142 024 043	Value n '000 R 32,43 10,86 63 35, <b>18</b> 2,43,91 83,00 74,59 41,41
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods	,	el mai	erials	duri	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 81,9 36,6	587 152 188 142 142 142 143 143 140	Value n '000 R 32,43 10,86 35, <b>18</b> 2,43, <b>91</b> 83, <b>00</b> 74,59 41,4 <b>1</b>
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods Hoops & Strips	,	el mai	:	duri	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 81,9 36,6 22,7	587 152 188 188 142 142 143 143 140	Value n '000 R 32,43 10,86 35, <b>18</b> 2,43, <b>91</b> 83, <b>00</b> 74, <b>59</b> 41,4 <b>6</b> 19,6 <b>6</b>
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods Hoops & Strips Pig Iron	Slabs	el mai	:	duri	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,0 81,9 36,6 22,7 32,4	587 152 188 188 188 184 184 184 184 184 184 184	Value n '000 R 32,43 10,86 35, <b>18</b> 2,43, <b>91</b> 83, <b>00</b> 74, <b>59</b> 41,4 <b>1</b> 19,68 39,46
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods Hoops & Strips Pig Iron Tool & Alloy Ste	Slabs	el mai	: : : : : : : : : : : : : : : : : : :	duri	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 81,9 36,6 22,7 36,6	587 152 188 188 184 142 124 143 140 179 169	Value n '000 R 32,43 10,86 63 35, <b>18</b> 2,43, <b>91</b> 83, <b>00</b> 74, <b>59</b> 41,4 <b>1</b> 19,6 <b>8</b> 39,4 <b>6</b> 2,14,93
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods Hoops & Strips Pig Iron Tool & Alloy Ste Rly, Fittings	Slabs	el mai	:	duris	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 81,9 36,6 22,7 36,6 1,29,4	587 452 188 188 1942 1943 1940 199 199 199	Value n '000 R 32,43 10,86 35, <b>18</b> 2,43, <b>91</b> 83, <b>90</b> 74, <b>59</b> 41,4 <b>1</b> 19,68 39,46 2,14,93 2,14,93 11,89
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods Hoops & Strips Pig Iron Tool & Alloy Ste Rly. Fittings Castings & Forgit Ferro Alloys	Slabs		:	duris	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 81,9 36,6 22,7 32,4 76,3 1,29,4	587 152 188 188 188 188 189 189 189 189 189 189	Value n '000 R 32,43 10,86 35,18 2,43,91 83,00 74,59 41,46 21,193 21,193 11,89 52,956
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods Hoops & Strips Pig Iron Tool & Alloy Ste Rly. Fittings Castings & Forgit Ferro Alloys	Slabs		:	duris	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 81,9 36,6 22,7 76,3 1,29,4 7,59	587 452 188 1942 1943 1940 1979 1969 1979 1979 1979 1979 1979 1979	Value n '000 R 32,43 10,86 35,18 2,43,91 83,00 74,59 41,46 21,193 21,193 11,89 52,956
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods Hoops & Strips Pig Iron Tool & Alloy Ste Rly. Fittings Castings & Forgit Ferro Alloys Blanks for Pipes Scraps Industrial	Slabs el ngs		:	duris	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 36,6 22,7 36,6 1,29,4 7,9 19,7 2,1	587 452 188 188 1942 1943 1940 199 199 199 199 199 199 199 199 199 19	Value n '000 R 32,43 10,86 63 35, <b>18</b> 2,43, <b>91</b> 83, <b>00</b> 74, <b>59</b> 41,46 21,14,93 11,89 52,95 8,11 1,78
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods Hoops & Strips Pig Iron Tool & Alloy Ste Rly. Fittings Castings & Forgit Ferro Alloys Blanks for Pipes Scraps Industrial	Slabs el ngs		: : : : : : : : : : : : : : : : : : :	duris	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 36,6 22,7 76,3 1,29,4 7,9 19,7 2,1	587 452 188 188 188 189 199 199 199 199 199 199	Value n '000 R 32,43 10,86 63 35,18 2,43,91 83,00 74,59 41,45 39,46 21,193 2,14,93 11,89 52,95 8,11 1,78
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods Hoops & Strips Pig Iron Tool & Alloy Ste Rly. Fittings Castings & Forgit Ferro Alloys Blanks for Pines	Slabs el ngs		: : : : : : : : : : : : : : : : : : :		ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 36,6 22,7 36,6 1,29,4 7,9 19,7 2,1	587 452 188 188 188 189 199 199 199 199 199 199	Value n '000 R 32,43 10,86 63 35,18 2,43,91 83,00 74,59 41,45 39,46 21,193 2,14,93 11,89 52,95 8,11 1,78
Bloom, Billets & Structurals Rails Tinplate Sheets Plates Bars & Rods Wire Wire Rods Hoops & Strips Pig Iron Tool & Alloy Ste Rly. Fittings Castings & Forgit Ferro Alloys Blanks for Pipes Scraps Industrial	Slabs el ngs		:	duris	ng 1965-66	Quantit (In M/ 41,6 13,4 2,63,4 1,01,6 36,6 22,7 76,3 1,29,4 7,9 19,7 2,1	587 152 188 152 188 162 169 169 169 169 169 169 169 169 169 179 189	Value n '000 R 32,43 10,86 35, <b>18</b> 2,43, <b>91</b> 83, <b>90</b> 41,41 19,68 21,12 2,14,93 11,89 52,95 8,11 1,78 3,00 8,95,998

Calegory							Quantity (In M/I', (I	Value n 'cooRs.
(b) 1966-67 (	Upto Dece	mber,	1966	· ·	AL 20 APRIL 170	<u>andri andri den den den den den den den den den den</u>		
Blooms, Biller							14,301	18,462
- Gullarnik					•		11,388	11,409
Rails					•	•	622	441 31,180
Tinplates			•	•	•	•	25.795	1,19,460
Sheets Plates		•	•	•	•	•	93-152	31.95
Wing		•		•	•	•	30,271	6,330
Wire Rods				•	•	•	5,305 29,627	34.37
Bars & Rods.			•	•	•	•		1,0,1
Pig Iron	•	•	•	•	•	•	1,755	18,04
Hoops & Strip	)9 .	•	•	•	•	•	11,646	18,36
Catina	• . •	•	•	•	•	•	11,665	.18,97
Castings & Fo	rgings.	•	•	•	•	•	6,837	5,55
Ferro-Alloys	• •	•	•	•	•	•	1,598	6,39
		•	•	•	•	•	5,934	11,34
Tool & Alloy		•	•	•	•	•	58.236	1.48,50
· · · · · · · · ·	steel.	•	•	•	•	•	3,,,,=3,3	
	TOTAL				_		3,19,949	5,11,83
S. Import of 1966-67 (Upto D	Iron & S December,	teel m 1966)	ateria	ils aga	inst B	arter	Deals during	g 1965-6
(a) 1965-66:	Iron & S. December,	teel m 1966)	ateria	ils aga	inst B	arter	Deals during	g 1965-6
(a) 1965-66:	Iron & S December,	teel m 1966)	ateria	ils aga	inst B	arter	Quantiv	Value
(a) 1965-66: Category	December,		ateria	als aga	inst B	arter	Quantiy (In M/T) (	Valuc In '000 I
Category  Blooms, Billet	s & Slahs		aateria	als aga	inst B	arter	Quantiv	Value In '000 I
Category  Blooms, Billett	s & Slabs		nateria 	als aga	inst B	arter	Quantiy (In M/T) ( 1,156	Value In '000 I
Category  Blooms, Billett Tinplate Primiting	s & Slabs		ateria	als aga	inst B	arter	Quantiy (In M/T) ( 1,156 1,532 998	Value In '000 I 62 1,44
Category  Blooms, Billett Tinplate Primili Black Sheet	s & Slabs		iateria	als aga	inst B	arter	Quantiy (In M/T) ( 1,156 1,532 998 3,622	Value In '000 I 62 1,44 41 2,84
Category  Blooms, Billetter Tinplate Prime Tinplate W/W Tinmill Black Sheets Plates	s & Slabs		iateria	ils aga	inst B	arter	Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124	Value In '000 I 62 1,44 41 2,84
Category  Blooms, Billett Tinplate Prim Tinplate W/W Tinmill Black Sheets Plates Sheet	s & Slabs		ateria	als aga	inst B	arter	Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124 4,279	Value In '000 I 62 1,44 41 2,84 24,03
Category  Blooms, Billett Tinplate Primitiplate W/W Tinmill Black Sheets Plates Sheet Piles	s & Slabs		aateria		inst B	arter	Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124 4,279 3,361	Value In '000 I 62 1,44 41 2,84 24,03
Category  Blooms, Billett Tinplate Prime Tinplate W/W Tinmill Black Sheets Plates Sheet Piles Scraps	s & Slabs e Plates		aateria	als aga	inst B	arter	Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124 4,279 3,361 21	Value In '000 F 62 1,44 41 2,84 24,03 2,89 2,66
Category  Blooms, Billett Tinplate Primarinplate W/W Tinmill Black Sheets Plates Sheet Piles Scraps Ferro Alloys	s & Slabs e Plates		aateria	ils aga	:	arter	Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124 4,279 3,361 21 126	Value In '000 F 62 1,44 41 2,84 24,03 2,89 2,66
Category  Blooms, Billett Tinplate Primarinplate W/W Tinmill Black Sheets Plates Sheet Piles Scraps Ferro Alloys	s & Slabs e Plates		aateria	ils aga	:	arter	Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124 4,279 3,361 21 126 3,764	Value In '000 F 62 1,44 41 2,84 24,03 2,89 2,66
Category  Blooms, Billett Tinplate Prima Tinplate W/W Tinmill Black Sheets Plates Sheet Piles Scraps Ferro Alloys Hoops & Strip Bars & Rods	s & Slabs e Plates .		aateria		inst B	arter	Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124 4,279 3,361 21 126 3,764 65	Value In '000 F 62 1,44 41 2,84 24,03 2,89 2,66
Category  Blooms, Billett Tinplate Prima Tinplate W/W Tinmill Black Sheets Plates Sheet Piles Scraps Ferro Alloys Hoops & Strip Bars & Rods	s & Slabs e Plates .		:		:		Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124 4,279 3,361 21 126 3,764 65 27,160	Value In '000 F 62 1,44 41 2,84 24,03 2,89 2,66 51 2,54 4
Category  Blooms, Billett Tinplate Prime Tinplate W/W Tinmill Black Sheets Plates Sheet Piles Scraps	s & Slabs e Plates .			als aga	:	arter	Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124 4,279 3,361 21 126 3,764	Value In '000 F 62 1,44 41 2,84 24,03 2,89 2,66 51 2,54 4
Category  Blooms, Billette Tinplate Primile Black Tinplate W/W Tinmill Black Sheets Plates Sheet Piles Scraps Ferro Alloys Hoops & Strip Bars & Rods. Wire & Wire R Tool & Alloy S	s & Slabs e Plates .		:	sls aga	:		Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124 4,279 3,361 21 126 3,764 65 27,160	Value
Category  Blooms, Billett Tinplate Prima Tinplate W/W Tinmill Black Sheets Plates Sheet Piles Scraps Ferro Alloys Hoops & Strip Bars & Rods	s & Slabs e Plates Rods Steels			els aga	inst B		Quantiy (In M/T) ( 1,156 1,532 998 3,622 33,124 4,279 3,361 21 126 3,764 65 27,160	Value In '000 F 62 1,44 41 2,84 24,03 2,89 2,66 51 2,54 4

	······································	i hara					Quant (In M/T)	rity Vo (In 'coo
(b) For 1966-67	Uplo	Dece	mirer	10661		<del></del>		
- Blooms Billets &	Slabe	cte	• •	3 -21164 1	•			,
· ····································			•	•	•		332	۹.
Tinplate W. W.		•	•	•	•	•	2,390	
Sheets			•	•	•	•	1,394	2,
Sheets Piles			•	•	•	•	3,064	
Hoops & Strips Bars & Rods			•	•	•	•	5,205	_
Wire Rods.	•		•	•	•	•	805	
Wires				•	•	•	437	73
Tool & in i.			•	•	•	•	9,783	
Tool & Alloy Steel Ferro-alloys	Ι.			•	•	•	842	
- circantoks	•		•	•	•	٠	402	:
			•	•	•	•	78	
Total.								20,
		-	•	•	•	•	24,732	20)
Category							Quantity (In M/T)	1-00
Pig Iron etc							Quantity (In M/T)	1-00
Pig Iron etc. Blooms, Billete Sta	he						(In M/T)	(In,000
Pig Iron etc. Blooms, Billets, Sla	ibs etc		·	:			(În M/T)	(In'000
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Screen	ibs etc			:	:	:	(În M/T)	(In'000
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys	•	· · · · · · · · · · · · · · · · · · ·	:	:			37 2,149 1,39,886	(In'ooc 57,2
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys	•			:	:		37 2,149 1,39,886 4,46,429	(In'000 1,0 57,5 54,5
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Screen	•			: : : : : : : : : : : : : : : : : : : :	:		37 2,149 1,39,886 4,46,429 61,186	(In'000 1,0 57,5 54,5
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging	•			: : : : : : : : : : : : : : : : : : : :		:	37 2,149 1,39,886 4,46,429	(In'000 573 543 41,0
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys	•				:		37 2,149 1,39,886 4,46,429 61,186 950	1,0 57,2 54,5 41,0
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging Total	: s	:			:		37 2,149 1,39,886 4,46,429 61,186	(In'000 57,2 54,5
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging  TOTAL	s.	· · ·		: : : : :	:		37 2,149 1,39,886 4,46,429 61,186 950	(In'000 57,3 54,5 41,0 5
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging  Total  (b) For 1966-67 (U) Pig Iron Blooms, Billets	s.	· · ·			:		(In M/T)  37 2,149 1,39,886 4,46,429 61,186 950  6,50,637	(In'000 57,2 54,5 41,0 5 1,54,8
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging:  TOTAL  (b) For 1966-67 (U) Pig Iron Blooms, Billets and Finished Steel	s.	· · ·		966);	: : : : : : : : : : : : : : : : : : : :		(In M/T)  37 2,149 1,39,886 4,46,429 61,186 950  6,50,637	In'000 57,3 54,5 41,0 1,54,8 16,2
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging  TOTAL  (b) For 1966-67 (U) Pig Iron Blooms, Billets and Finished Steel Iron Steel Scrap	s.	· · ·	ber, 10	966);	:		(In M/T)  37 2,149 1,39,886 4,46,429 61,186 950  6,50,637	In'000 57,3 54,5 41,0 5 1,54,8 16,2 01,5
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging:  TOTAL  (b) For 1966-67 (U) Pig Iron Blooms, Billets and Finished Steel Iron Steel Scrap Ferro-Alloys	s Slabs	· · ·	ber, 10	966);	: : : : : : : : : : : : : : : : : : : :		(In M/T)  37 2,149 1,39,886 4,46,429 61,186 950  6,50,637  64,729 1,379 1,65,428	In'000  1,00  57,3  54,5  41,0  1,54,8  16,2  91,54
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging:  TOTAL  (b) For 1966-67 (U) Pig Iron Blooms, Billets and Finished Steel Iron Steel Scrap Ferro-Alloys	s Slabs	· · ·	ber, 14	966);			(In M/T)  37 2,149 1,39,886 4,46,429 61,186 950  6,50,637  64,729 1,379 1,65,428 4,16,048	In'000 57,2 54,5 41,0 5 1,54,8 16,2 91,5 67,7 1,6
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging:  TOTAL  (b) For 1966-67 (U) Pig Iron Blooms, Billets and Finished Steel Iron Steel Scrap Ferro-Alloys	s Slabs	· · ·	ber, 14	966);			(In M/T)  37 2,149 1,39,886 4,46,429 61,186 950  6,50,637  64,729 1,379 1,65,428 4,16,048 1,841	In'000 57,2 54,5 41,0 5 1,54,8 16,2 91,5 67,7 1,6
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging:  TOTAL  (b) For 1966-67 (U) Pig Iron Blooms, Billets and Finished Steel Iron Steel Scrap Ferro-Alloys Castings & Forging:	s Slabs	· · ·	ber, 1	966);			(In M/T)  37 2,149 1,39,886 4,46,429 61,186 950  6,50,637  64,729 1,379 1,65,428 4,16,048	(In'000 57,2 54,5 41,0
Pig Iron etc. Blooms, Billets, Sla Finished Steel Iron & Steel Scrap Ferro Alloys Castings & Forging:  TOTAL  (b) For 1966-67 (U) Pig Iron Blooms, Billets and Finished Steel Iron Steel Scrap Ferro-Alloys	s Slabs	· · ·	ber, 1	966);			(In M/T)  37 2,149 1,39,886 4,46,429 61,186 950  6,50,637  64,729 1,379 1,65,428 4,16,048 1,841	In'000 57,2 54,5 41,0 5 1,54,8 16,2 91,5 67,7 1,6



made to the manufacturers of pipes and tubes and for strapping.

As the production of G.P. and G.C. Sheets has been drastic-cut, no att ally cut, no allocation for these two categories has been made. Urgent domestic descriptions of these two categories has been made. Urgent demands for these two categories mas designed supplies against plies against outstanding orders.

Distribution and price control on billets was withdrawn with effect from the 14th January, 1967. Price and distribution control over all trol over all categories of steel has been removed with effect from 1-5-1067 from 1-5-1967.

### PRICES

The following changes in the prices were made during the period from 1-3-1966 to 17-12-1966:—

- (1) General revision on the basis of revised classification of Plantage of Pla of Plates and Sheets according to I.S.I. standard (Price circular No. 3 of 1965 dated 22-4-1966).
- (2) Extra List No. 1 of 1966 dated the 23rd April.
- (3) PRI/Cir/7(A)/66, dated the 1st September, 1966.
  Introduction of the september of avoid mix Introduction of Colour Coding Scheme to avoid mix up of the different grades of Steel at various stages from the from the point of production to the point of actual consumption. This has been notified in the Gazette of India on 1-9-1966.

#### IMPCIKTS & EXPORTS

During the year, efforts were continued for import substitution, and diversification and increase in exports.

Import of wire was further restricted, as the indigenous capacity improved. With effect from April, 1966, ordinary and galvanised wire thinner than 16G only was permitted. After the import liberalisation scheme came into force and the availability of zinc improved, the import of galvanised wire was altogether banned with effect from October, 1966. For mild steel and special quality wire thinner than 16G, a condition was imposed, that the actual users will be granted licences for at least 80% of the value of the licence for import of wire rods/ billets and the remaining as wire.

Import of stainless steel sheets was allowed for sheets of 18G and thicker only for use in various industries. Later, import of stainless steel strip was allowed for the manufacture of pen-nibs also.

Export of pig iron and billets was also permitted during the year as the availability became easier.

Imports.—During the past 5 years, the quantity and value of steel imported were as follows:

Year						Quantity (In M/ton	, s,)	Value (In Rs.
	<del></del>	· <del></del>		<del>-</del>			(Ir	tonnes)
1962-63		•				9,53,561	•	85·75 82·48
1963-64		• •	•			9,42,156		08.12
1964-65						11,38,528	7	80.00
1965-66 196 <b>6-</b> 67		1966)			•.	8,72,168 3,19,949	U	51.18

90

During the last two years, our import policy has been fairly restrictive, owing to shortage of foreign-exchange. This resulted in considerable setback to the industries based on imported raw materials. In August, 1966, however, Government decided to introduce a liberalised policy for import of iron and steel for the requirements of 59 priority industries. Accordingly, licences for

Since the introduction of the liberalised import policy, the situation has eased considerably. The requirements of the imported steel for small scale industry are generally met from the free currency areas, which enables the small scale users to get the imported steel at reasonable prices.

import licences for industries not covered by the liberalised allotted to different sponsoring authorities by the Ministry of Iron Steel.

iron and steel (including pig iron and scrap) exported from India were of the following order:

Ycar		Quantity (In M/T)	Value (In Rs.)
Inc.		فللفائد فسنواه ويستردونهم ومثبه وينتهم ويتمان المتحدد والمتحدد وال	(In crores)
1962-63 1963-64 1964-65 1965-66 (Upto December,	1966)	2,12,317 4,16,056 4,85,224 6,50,637 6,49,552	3·3 6·7 8·2 15·5 17·80

on the increase. In the beginning of the year 1966-67, a target to easier supply position, Government decided in July, 1966, that the categorywise targets fixed for export carly in the financial targets would be enforced rigidly and exports in excess of these allowed after meeting the domestic demand.

The figures given above show the exports upto December, of 63,774 tonnes of steel, and 28,286 tonnes of pig iron have

been made for a total realisation of Rs. 4.36 crores. Besides these exports already made, substantial orders have been booked from foreign buyers, for which the shipments will continue in the next financial year. Hindustan Steel Limited alone has booked orders for over Rs. 20 crores for steel and pig iron.

There are formidable problems in expanding the export trade to the half-million tonne level, not the least of which are rail transportation, shipping capacity, ocean freights, port facilities and labour troubles which have persistently occurred at one of the important ports. A Steel Exports Committee has been appointed to look into all problems connected with export of iron and steel and also to fix export targets for the next five

Hindustan Steel Limited also sent a delegation to about a dozen countries in Africa and middle east Asia to survey the markets and discountries and middle east Asia to survey the markets and discuss requirements and supplies of steel (specially rails) to these courses requirements and supplies of steel (specially rails) to these countries. We have exported rails/steel to Sudan, Iran, South Victorian. Iran, South Vietnam, Saudi Arabia, Jordan, Kuwait, Iraq, U.A.R., Ceylon and several Cells and Arabia, Jordan, Kuwait, Iraq, U.A.R., Ceylon and several Cells Ceylon and several other countries. Japan is the principal buyer of pig iron. Hinduster Countries. Japan is the principal orders Hindustan Steel Limited alone has received during of 400,000 tonnes of pig iron from Japan, to be supplied during 1966-67 and 1967-68 The iron from Japan, to be supplied exported 1966-67 and 1967-68. Hindustan Steel Limited has also exported 10,000 tonnes of hor limited has also exported to the supplied 10,000 tonnes of hot-rolled sheets to U.S.A. have exported 113,748 tonnes of re-rolled products in 1966-67, (till February, 1967) (till February, 1967).

# HINDUSTAN STEEL LIMITED

During the year under review, the activities of Hindustan the largest consisted of the largest and plants, and Steel Limited consisted of the operation of the steel plants, the operation of the steel plants, the operation of the steel plants, the erection of the major units of All Bojudih and Patherdih, the articles of the operation of the steel plants, the operation of the steel plants, the operation of the major units of All Bojudih and Patherdih, the articles of the operation of the steel plants, the operation of the steel plants, the operation of the operation of the steel plants, the operation of the steel plants are the operation of the steel plants. of the major units of Alloy Steel Project at Durgapur Besides all this at of the units almost the Operation of the units almost the Units almo operation of the units already commissioned in this Unit. all this the expansion programmes of the three Steel Plants were also in progress. also in progress.

No addition was made to the subscribed share capital of the r (1965 con stood at P Company which stood at Rs. 5280 million at the end will obtained from An and live. year (1965-66). An additional loan of Rs. 684 million to the control of Rs. 684 million to obtained from the Government during the year raising the during 1965. amount of loan to Rs. 5005 million. The interest provision during 1965-66 amounted to Rs. 179 million.

The output of the principal units during 1966-67 compare as follows with the corresponding output during 1965-66:—

with the corresponding	many control of the c	'coo tonnes
	1965-66	1966-67
The second second	g en	1272
Coke (Dry.)	12(1	934
Iron (Hot Metal	1054	943
Ingot Steel	1056	683
Saleable Steel	787	

The decline in production of the principal units was mainly to the rod. in production of the principal units was mainly due to the reduction in Hirakud power supply for about 6 months during the during the reduction in Hirakud power supply for about of the blast furnaces for more than and the shutting down of one of the blast furnaces have more than a supply for about of the blast furnaces. for more than 3 months for relining purposes, which restricted in the metal in the hot metal supply. There was a distinct improvement in the broduction apply. There was a distinct improvement in the land the supply in the land the supply in the land the lan production of tested steel. Tested steel constituted 63% of the stall finished total finished steel production during 1966-67 compared 52.7% during 1965-66.

As in the last year, the Rourkela Fertiliser Plant worked at evel lower to shortage of cokea level lower than the rated capacity, due to shortage of coke-line gas. See than the rated capacity, due to shortage of cokeoven lower than the rated capacity, due to shortage of minit to steps are in hand to instal a naptha steam reforming to supply the steam reforming to supply the steam reforming to supply the steam reforming This is expected to be comunit to supplement gas supply.

Missioned in the latter part of 1968.

Sales.—There was a general decline in the demand for iron steel material and sales.—There was a general decline in the demand to the second materials, which itself is a part of the slump in the addition to materials, which itself is a part of the some addition to materials, which itself is a part of the slump in the addition to make the slump in the second to materials. economy. The slump in the market resulted in some addition to the pig in the slump in the market resulted affect the disposal of finished stock, but did not in general affect the position are as of fine pig iron stock, but did not in general affect the target for the period. The details of despatches and stock position are as for the period April to December, 1966 in the plant are follows:

Despatches

ches						(iı	1 '000 tonnes)	
, Pig Iron							15	
Steel Ingots	•	•	•	•	•		. •	
Rolled Steel	•	•	•	•	•	•	497	
Mols & M-2	•		•	•	•	•		

Ĺ		٠.	. 1	

		•	In 1000 ton	nes')
The matter of the second secon	Pig	Iron	Rolled	Steel
		1-3-67	1-4-66	1-3-67
	37	59	49	57

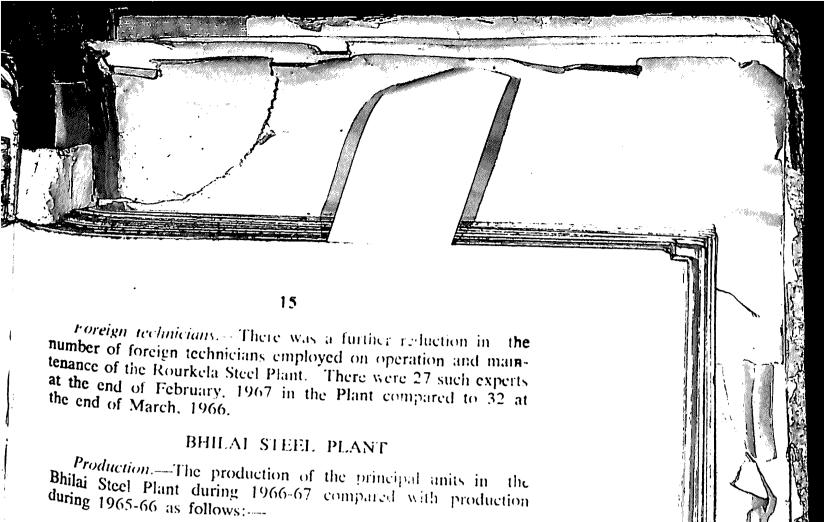
The despatch of standard tested materials increased to 71% during the year as compared to 52% during 1964-65, as a result of augmentation of testing facilities at the Plant.

Expansion.—A new L.D. Converter No. 4 has been commissioned and the 5th one is due to be commissioned shortly. The cold rolling mill, pickling, degreasing, electrolytic tinning and galvanizing lines are expected to be completed in the second quarter of 1967. The work on the 4th blast furnace has been hampered because of the supply of under-sized refractories by the foreign suppliers.

Mines & Quarries.—The Barsua Mines worked to 71% of its rated capacity as compared to 46% of the rated capacity during 1964-65. An order has been placed for a Beneficiation Plant on a Japanese firm to beneficiate the Barsua Ore. As in the previous year, Ore supplies were supplemented from market sources, but because of certain difficulties experienced by the Minerals and Metals Trading Corporation keeping up their commitment, which led to critical stock position, contracts were entered into with mine owners in Orissa for the supply of quality ore on short-term as well as long term basis.

During 1965-66, the Purnapani Lime Stone Quarry worked to the same extent as during 1964-65.

A limited project has already been taken in hand for mining of high-grade iron ore at Kalta near Rourkela, the supplies from which will mostly go to Durgapur. It is, expected that the deposits located near Kuteshwar in Madhya Pradesh will be promising as far as steel melting shop grade limestone is concerned. This will be exploited by Bokaro Steel Limited and limestone will also be available for the needs of Rourkela and Durgapur, specially the latter.



during 1965-66 as follows:---

						tempes
					64-66	66-67
Coke (Dry)						and a second control of the second control o
Iron (Hot Mc'al)	•		•	•	1725	2000
Ingots Steel	•		•	•	1632	2052
Saleable Steel	•	•	•	•	1371	1852
	٠.	•	•		1028	1328

As the foregoing statement shows, the production was higher in all the principal units during 1966-67 as compared with the production in 1965-66, due to the commissioning of the units forming part of 2.5 million tonnes expansion.

New sections like chequered plates, shell bars, ribbed sole bars for export to Egyptian Railways and various sizes of channels were developed during the year under review.

Sales.—The despatches and stock position during the period April to December, 1966 were as under:—

			-				(il) 6000 to
Item							(in 6000 tonr
					,		Despatches
Pig Iron							
Steel Ingots	•	•	•	•			350
Rolled Steel	•	•	•	•	•	٠	••
	•	•	•	•	. •	•	994

The despatch of standard tested materials increased to 80% during the year as compared to 68% during 1964-65, as a result of augmentation of testing facilities at the plants.

Stocks. There were substantial additions to the stocks of pig iron and steel ingots as can be seen from below:

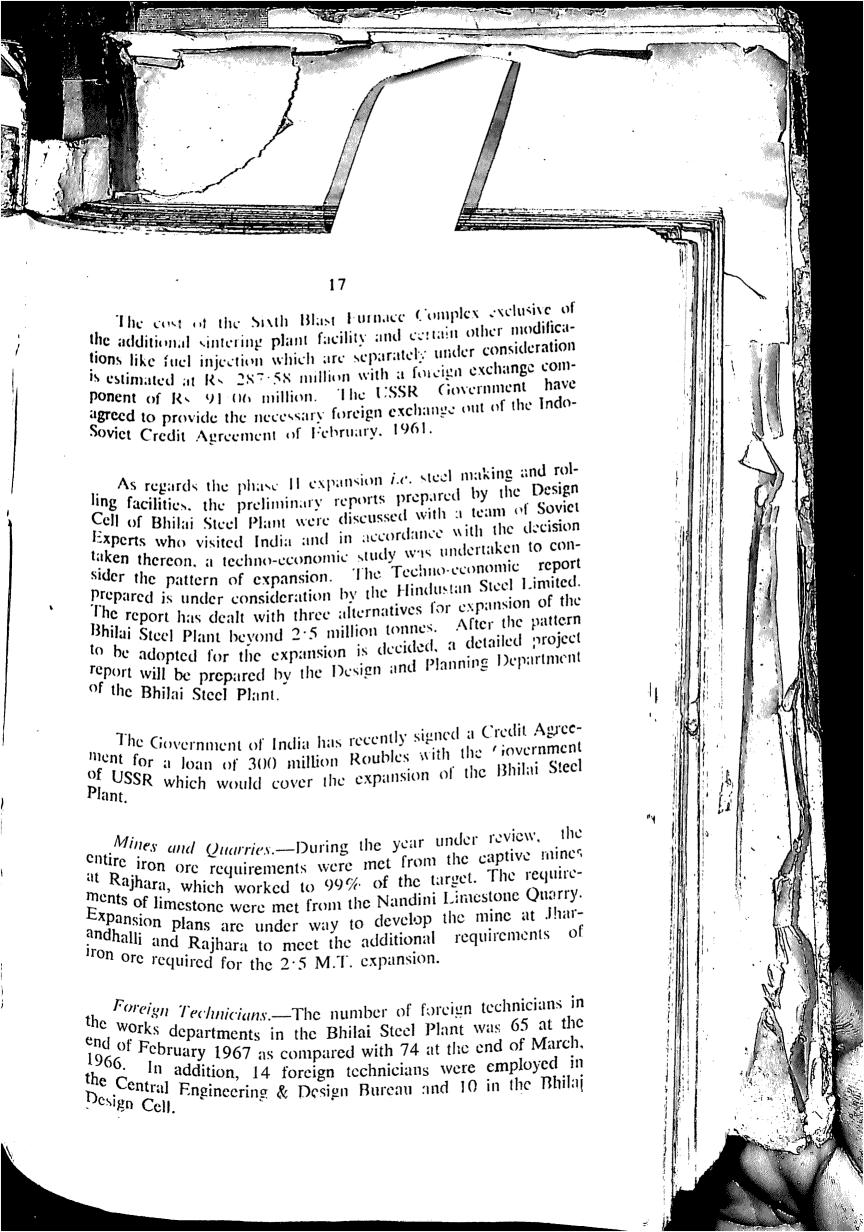
		in '000	101111007
Pig Iron	•	Rolled	
1-4-66 1-3	-67	1-4-66	1-3-67
45	83	55	

The accretion to stocks reflected the adverse market conditions which prevailed during the year.

Expansion.—The expansion of the Bhilai Steel Plant is almost complete excepting the completion of Wire Rod Mill on the Mill side due to delay in supplies from USSR. The third sinter belt, the additional turbo blowers and the open hearth furnaces have all been completed and reconstruction of Battery Open Hearth Furnace is in progress. The Coke Oven Battery No. 5 was commissioned in December, 1965 and Battery 1966, and Blast Furnace No. 5 were commissioned in November,

A Detailed Project Report for the Slag Cement Plant of 0.8 million annual capacity utilizing blast furnace slag has been prepared and has been examined by a Technical Committee.

Expansion during the Fourth Plan.—The expansion of within Bhilai Steel Plant beyond 2.5 million tonnes steel ingots phase the Fourth Plan Period is envisaged in two phases, the first steel being the coke and iron making facilities and the second anne making and rolling facilities. The first phase of the programple making and rolling facilities. The first phase of the For implementing this, contract has also been entered into between menting this, contract has also been entered into between Government of India and the Government of USSR. Government of Lusser that the supply of about 44% of equipment and 64% of structurals.



#### DURGAPUR STEEL PLANT

Production. The production in the principal units of Durgapur during 1966-67 compare as follows with the corresponding production during 1965-66;

. 1350 900 . 1280 897

(tooo tonnes)

The decline in production was due to the serious deficiency in the Coke Oven Department and adverse market conditions. Steps are in hand to set matters right in the Coke Oven Department.

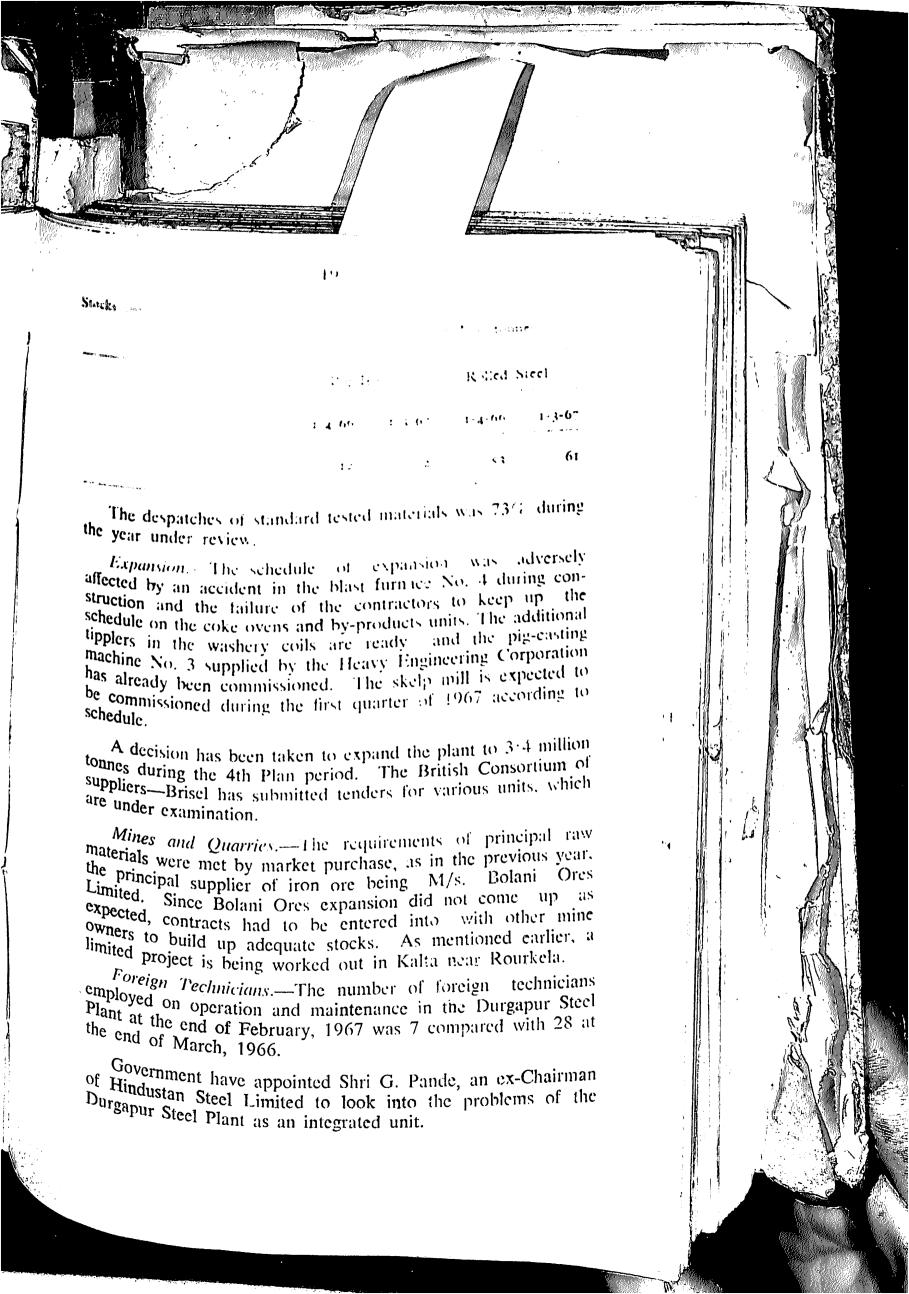
Coke Div

Iron Hot metal

New sections like heavy plates were developed during the year under review. Production of tested steel increased in all the mills. Percentage of surface rejections was brought down in Merchant Products.

Sales.—The despatches and stock position during the period April to December, 1966 were as under:—

							(in '000 to	onnes)
Item					***		Despate	hes
Pig Iron .								
Steel Ingots	•	•	٠	•	•	•	157	
Rolled Steel	•	•	•	•	•	•	• •	4.
	·	•	•	•	•	•	437	



#### BOLANI ORES LIMITED

For the development and operation of the mines in the Guaregion of Orissa for supply of iron ore to Durgapur Steel Plant, a company named Bolani Ores Limited was set up in June, 1957 by the Government of India in collaboration with the Orissa Mineral Development Company. The present share capital of the Company is Rs. 10 million. Of this, the Government of India hold 50:5% shares, while the remaining 49:5% shares are held by the Orissa Mineral Development Company.

The first phase of mining has already been completed and the Company is currently producing 2 million tonnes of iron ore per year. The supply of ore to Durgapur Steel Plant started in April, 1960.

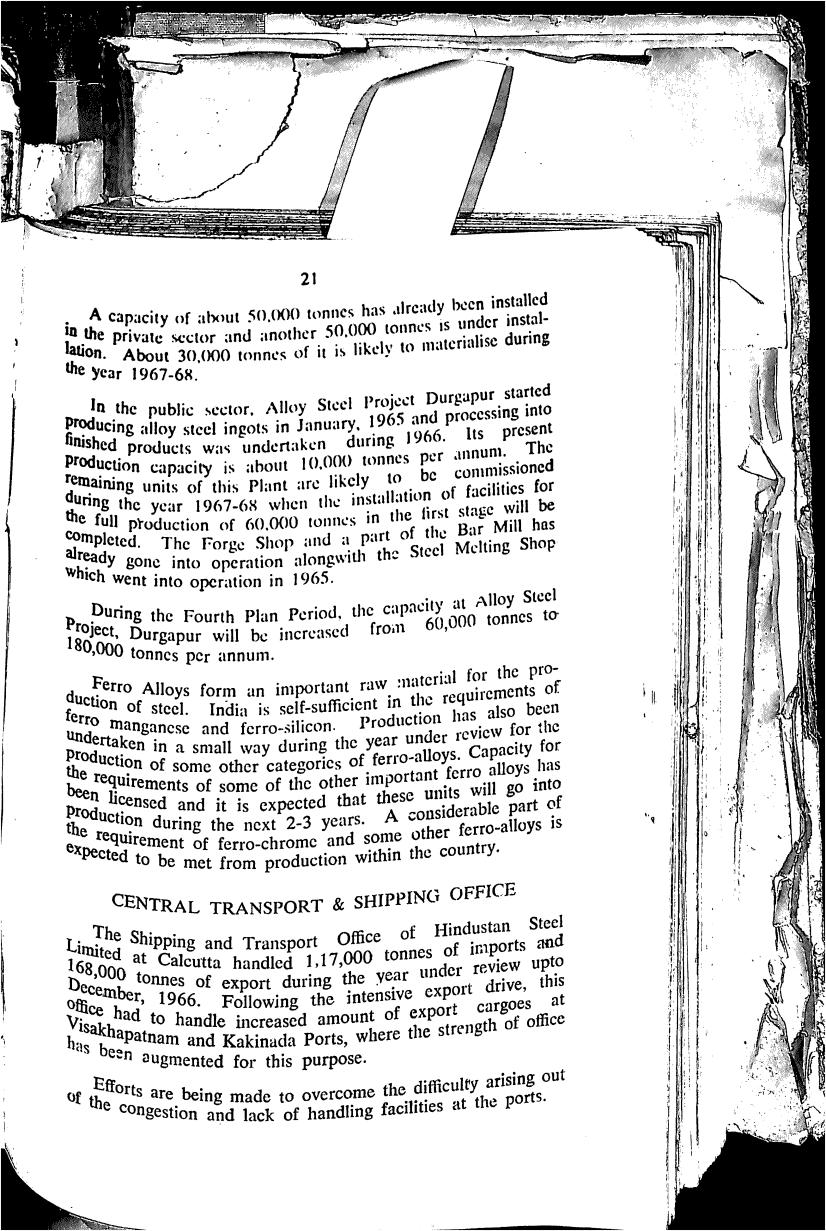
Production & Despatches of Iron Ore:

In tonnes)		inches of from	roducion & Desp
espatches	De	duction	Proc
During 1966-67 (anticipated upto 31-3-67)	During 1965-66	During 1966-67 (anticipated upto 31-3-67)	During 1965-66
13,00,000	15,95,000	13,35,000	15,93,000

Expansion.—The proposal to seek a foreign exchange loan from US, AID for expanding the Bolani Ores into a fully mechanised mine to produce 3 million tonnes of iron ore per annum has been dropped. The Company withdrew their application as they anticipated that the expansion would not be profitable for some time considering the expenditure involved and the likely level of prices obtainable for their ore.

#### ALLOY STEELS PROJECT

The total domestic demand of alloy steels by the end of Fourth Plan Period is estimated to be 500,000 tonnes per annun. To achieve this production a capacity of nearly 800,000 tonnes has been sanctioned. This includes a capacity of 257,000 tonnes in the Public Sector.



#### CENTRAL ENGINEERING & DESIGN BUREAU

It has been decided to merge the Design Cell at Bhilai whichni was functioning under the control of the General Managernal Bhilai Steel Project, with the Central Engineering & Designia Bureau and proposals are being worked to complete the merger. The overall expansion of Rourkela and Durgapur is progressing Central Engineering & Designa under the supervision of the Bureau. As has been mentioned already, they prepared otherit expansion Project Reports for Rourkela (2.5 million tonnes)19 and Durgapur (3.4 million tonnes) which have already come ton form the basis for submission of tender by the British Connb the full product of the sortium-Brisel. testoliquios 1-11-1

#### SALES (GENERAL)

already many per The gross value of sales during 1965-66, amounted the Rs. 2388 million against Rs. 2048 million in the previous year. Hindustan Steel Limited Plants accounted for 77% of the pig iron produced for sale in the country and 44% of the finished steel. Through the production of pig iron for sale, relectrode. quality billets, hot rolled and cold rolled coils, sheets, sleepers etc., which are mainly produced by Hindustan Steel Limited Plants only, Hindustan Steel Limited continued to serve with major industries in the country. indentaling in a conferrebun

More than 981,000 tonnes of finished steel was distributed of to Defence, Railways and other Government departments, and other Government departments, and of undertakings during the year under review. Despatches of or special steels amounted to 131,932 tonnes as compared to 82,981 q tonnes in the previous year. The previous year.

A new branch sales office was opened in Jullundur, bringing total number of bethe total number of branches sales offices of Hindustan Steel Limited to 9, which cover hearly all the important steel consuming centres of the country. In addition to the branch sales offices, stockwise it. offices, stockyards were opened in Kanpur, Hyderabad, Bombay, Ahmedabad, Cochin and Bangalore. The establishment of the branch sales and branch sales offices and stockyards has contributed to stabilising the prices of iron and stockyards has contributed to stabilising ( the prices of iron and steel materials in the major steel consumed ing centres of the consumer. ing centres of the country.

Testing facilities were augmented in all Plants to implement the Indian Standard Institution Certification Scheme in measure as a result of the standard Institution Certification Scheme in tested measure as a result of which the despatch of standard distribution materials increased during the year under review.

Employee training schemes are in hand for all possible redeployment of staff for manning new units with the minimum of additional personnel.

The Management Training Institute of the Company conducted 29 courses during the calendar year 1966 in which a. total of 600 management personnel participated.

The number of employees sent abroad on training for the calendar year 1966 is as follows:-

Bhili.	•	•		•		•	•	62
Rourkela							•	15
Durgapur	•	•	•	•	•	•	•	12
Alloy Steels	Proje	ct				•	•	19

There was a large reduction of temporary construction personnel as construction tapered off in Bhilai, the number being reduced from 16,300 in April, 1965 to 8,880 in August, 1966.

#### **INCENTIVE BONUS**

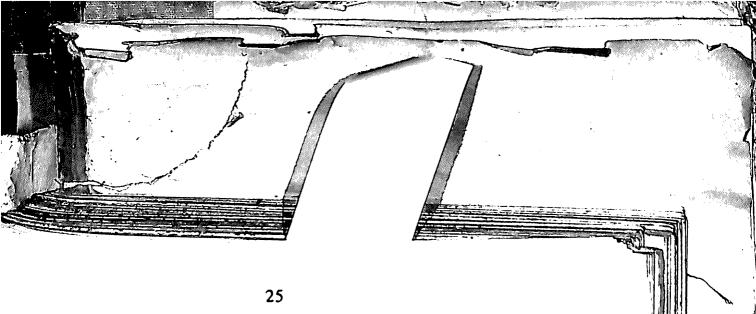
The approved production incentive scheme continued to be operated in Rourkela and Durgapur during the year In Bhilai, the earlier scheme is still in payment of Bonus Act was distributed to the employees of the Company in all the Plants and Units which became entitled a Bonus under became entitled for payment of bonus during the year under review An incoming the year pour review. An incentive bonus scheme for Fertilizer Plant at Rourkela and Cool West. kela and Coal Washeries Project has been formulated and brought into force into force.

## INDUSTRIAL RELATIONS

On the whole, industrial relations in the plants during the year under review continued to be satisfactory except for some disturbances in the D disturbances in the Durgapur Steel Plant.

An agreement was reached on the constitution of a committee of W Standing Committee on Wage Differentials both at the pany and at the Plant levels.

A scheme of gratuity has been formulated to provide fur benefits to the employee ther benefits to the employees. Agreements with the



have been signed for the implementation of the same at Durgapur Alloy Steels Project and Bhilai Steel Plant. Negotiations with the Union at Rourkela in this regard are continuing.

Accidents were reduced as a result of safety drive during the year under review and both Rourkela and Durgapur Steel Plants were given the National Safety Award in 1965.

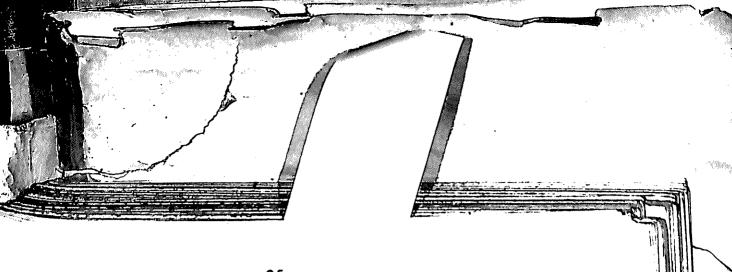
#### FINANCIAL RESULTS

Despite various setbacks to the national economy during the year ending 31st March, 1966, the Company was able to make a net surplus of Rs. 16.66 million as follows:—

(Rs. in million)

•				Net Surplus	Net Deficit
				50:36	••
		•		-	• •
•	•	•	•	-5 5-	23 · 13
•	•	•	•	• •	18.17
•	•	•	•	• •	
•	•	•	٠	• •	11.15
•	•	•	•	3.23	4 8
				69.11	52.45
	•	•	•	<b>+</b> 16.66	
		· · · · · · · · · · · · · · · · · · ·			Surplus

The cumulative loss from the inception of the Company to Rs. 774 million 14, stood at Rs. 494 million as compared



(Rs. in million)

have been signed for the implementation of the same at Durgapur Alloy Steels Project and Bhilai Steel Plant. Negotiations with the Union at Rourkela in this regard are continuing.

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	Net Surplus					
Rourkela .	•	•		•	50.36	••
Bhilai . ,					15.2	• •
Durgapur	•	•	•	•	-	23.13
Fertilizer Plant	•	•	•	•	••	18.17
Alloy Steels .	•	•	•	•	• •	11.15
Coal Washeries	•	•	•	÷	• •	11 1)
wasneries	•	•	•	•	3.53	
<b>X</b> 2					69.11	52.45
Net surplus	•				+16.66	

The cumulative loss from the inception of the Company to Rs. 774 million during the previous year. Adjustments for 1963-64, which was not previously made, was made during the pect of transactions relating to prior periods. Rs. 361.5 million terest to the Government. The total depreciation provided during the year under review amounted to Rs. 417.74 million ation alone.

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	-				
•	•	•	•	50.36	• •
•	•	•	•	15.52	• •
•	•	•	•	• •	23 · 13
•	•	•	•	• •	18.17
•	•	•		• •	i1·15
•	•	•	•	3.23	
				69 · 11	52.45
•	•	•		+16.66	
					Net Surplus

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market, devaluation of currency, etc., the operating results have been encouraging, which was made possible by maintaining a high level of production throughout the year, in the distribution

# COAL WASHERIES

There has been a distinct improvement in production in the Dugda Washery since November, 1965. Earlier the production was affected by frequent breakdowns as well as heavy inflow of unsuitable wagons.

Though the second Coal Washing Plant at Dugda is nearing completion, the construction of the Marshalling Yard by the Railways is behind schedule, and it is expected to be commissioned in the second half of 1967.

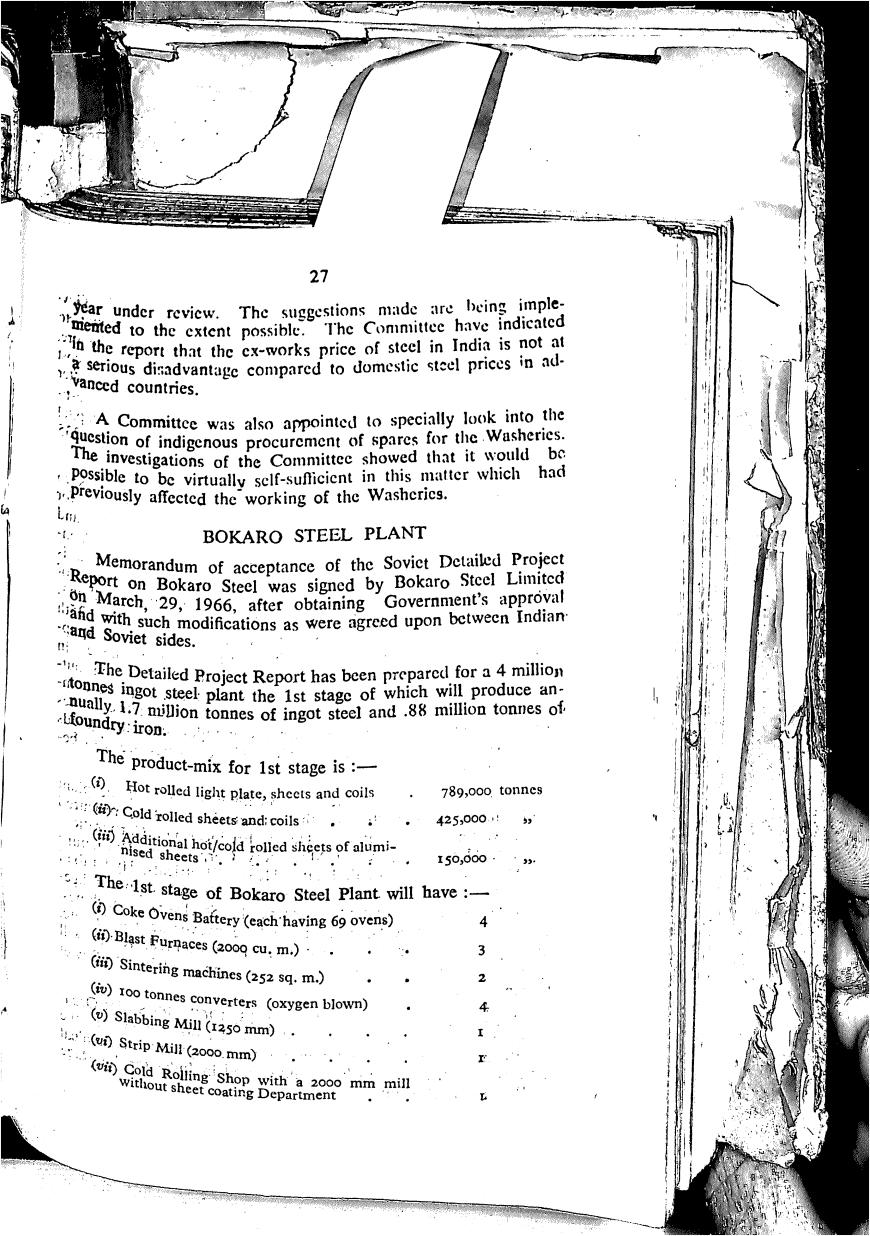
In the Patherdih Washery, the contractors have been asked to rectify a number of defects noticed during the previous tests; and guarantee tests have therefore not yet been completed. A Committee was set up to study the difficulties in achieving the full load and performance tests of the washeries and to suggest measures for rectification. They submitted their report on 25th August, 1966.

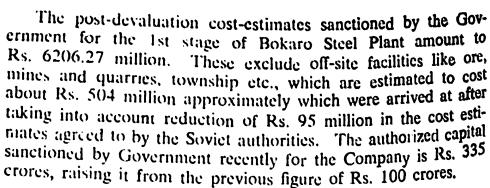
The Bhojudih Washery operated at 88% of its capacity. Irregular supply of wagons and low supply of coal during the part of the year affected production.

The examination of the Hindustan Steel Limited taken up by the Parliamentary Committee on Public Undertakings in 1964 was completed during the year under review. They submitted their reports on all the units of the Company in April, 1966. The Committee on Public Undertakings have made many valuable suggestions, the implementation of which is under the active consideration of the Company.

A Standing Committee of the Chief Mechanical Engineers of the Plants has been formed to encourage import substitution in this direction. Two exhibitions of spare parts have been held and more are planned.

The report of the Committee appointed by Government under the Chairmanship of Shri H. K. Mahtab, to report on the cost of steel production in India was made available during the

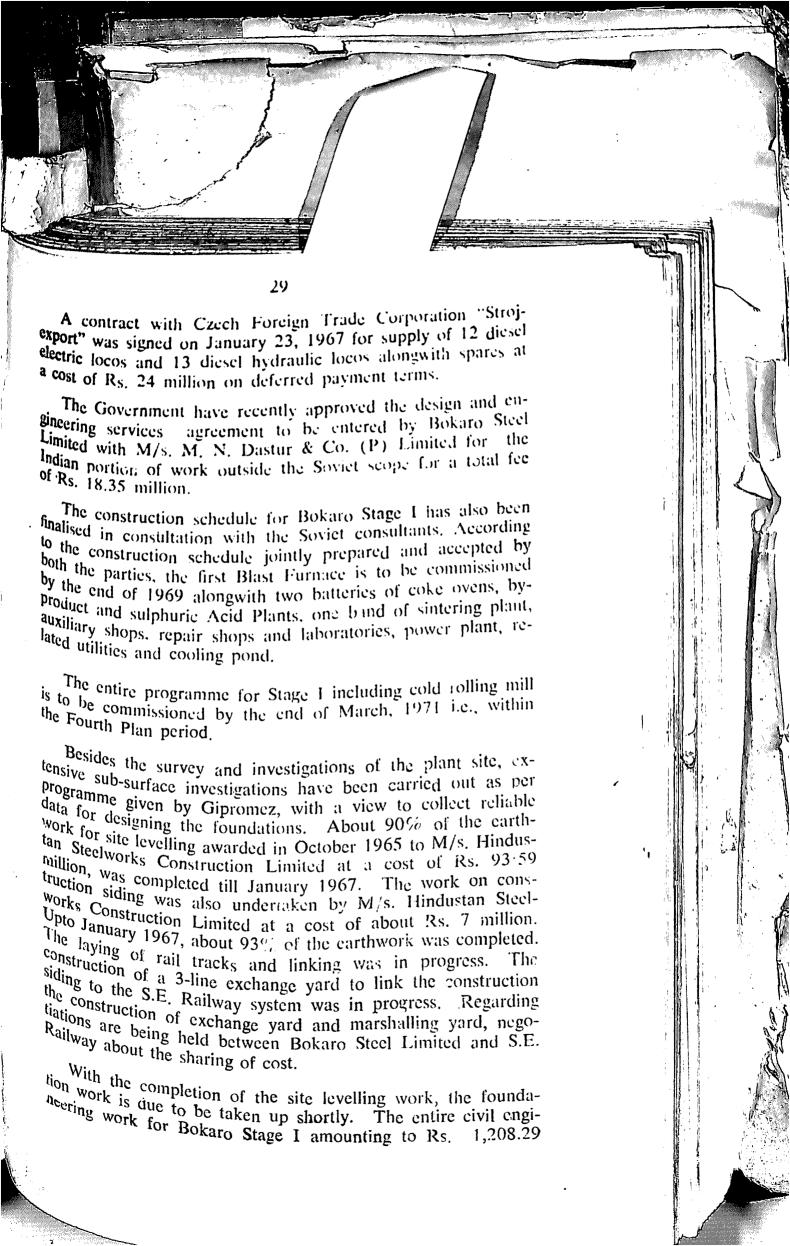




Two contracts were concluded on May 3, 1966 by Bokaro Steel Limited with Soviet Organisation, "Tiajpromexport" for supply of equipment, steel structures, refractories, pipes and other goods and for supply of Working Drawings. The Contract value of the Contract for supply of equipment etc., is Roubles 202,204,456 (Rs. 1684 million) and contract value of Working Drawings is Roubles 6,804,000 (Rs. 56.68 million). In accordance with the Indo-Soviet Agreement dated the January, 1965 payment for the total value of supplies of equipment ment etc. to be received under the contract will be made in twelve equal annual instalments, interest being 2½% on outstanding balances. The supply of equipment etc. is to be completed by July 1070 of equipment and 8,241 metric tonnes of pipes and other goods have been received. have been received from the USSR. The drawings are also being received ing received.

About 85% of the Structurals Steelworks, 63% of the plant and equipment and 96% of the refractories will be procured from within the country. Heavy Engineering Corporation, Ranchi, Mining and Allied Machinery Corporation, Durgapur; Heavy Electricals, Bhopal, Bharat Heavy Electricals, Hyderabad and Bharat Heavy Electricals, Tiruchirapally will supply indigenous fabricated equipment, structural Steelworks, machines, cranes ladles and posts, machine tools, conveyor accessories etc. and electrical equipment. Instrumentation Limited, Kotah will also supply precision instruments as approved by the Soviet Organisation.

A contract was signed on January 23, 1967 with Soviet Organisation, Tiajpromexport for a value of Rs. 40 million for supply of design documentation for the equipment, mechanisal articles and structures to be manufactured in India for 1st of Bokaro Steel Plant.



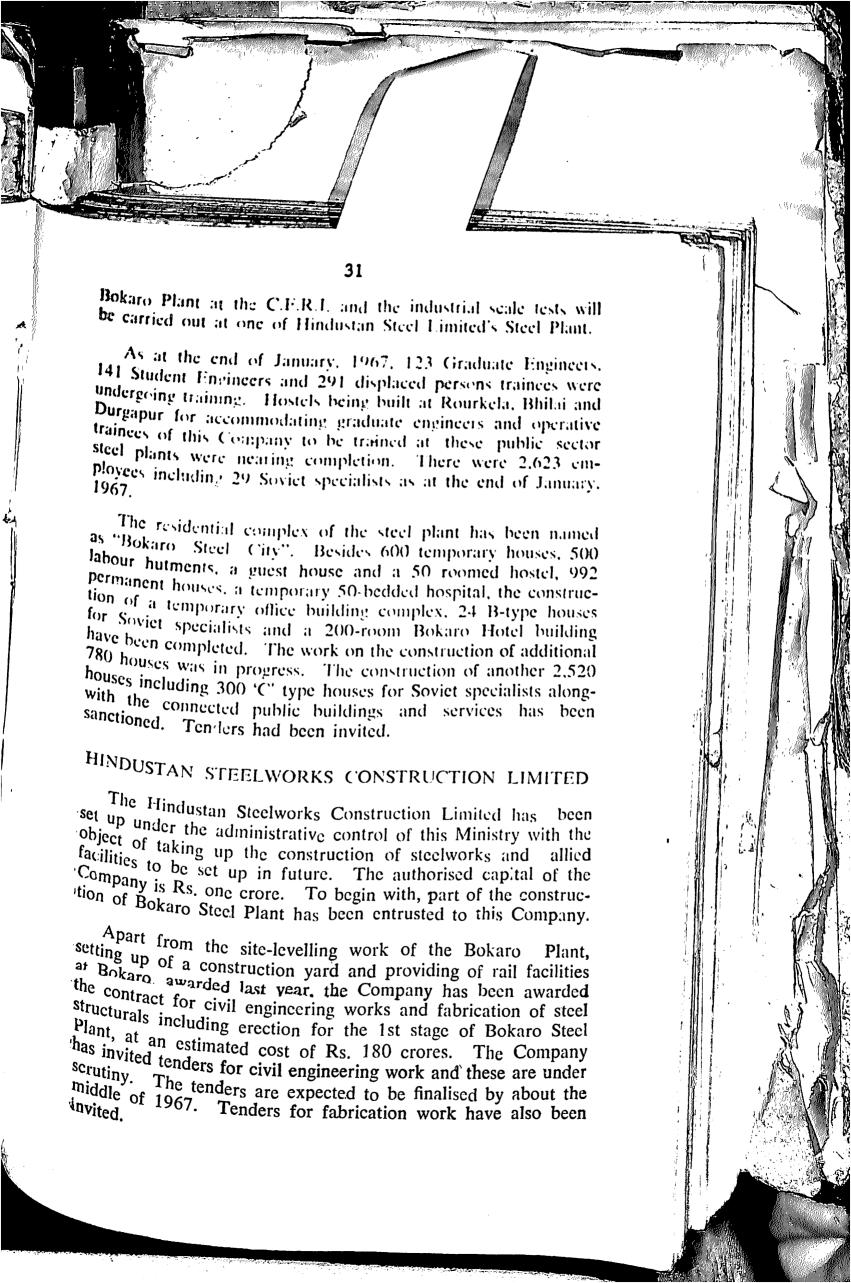


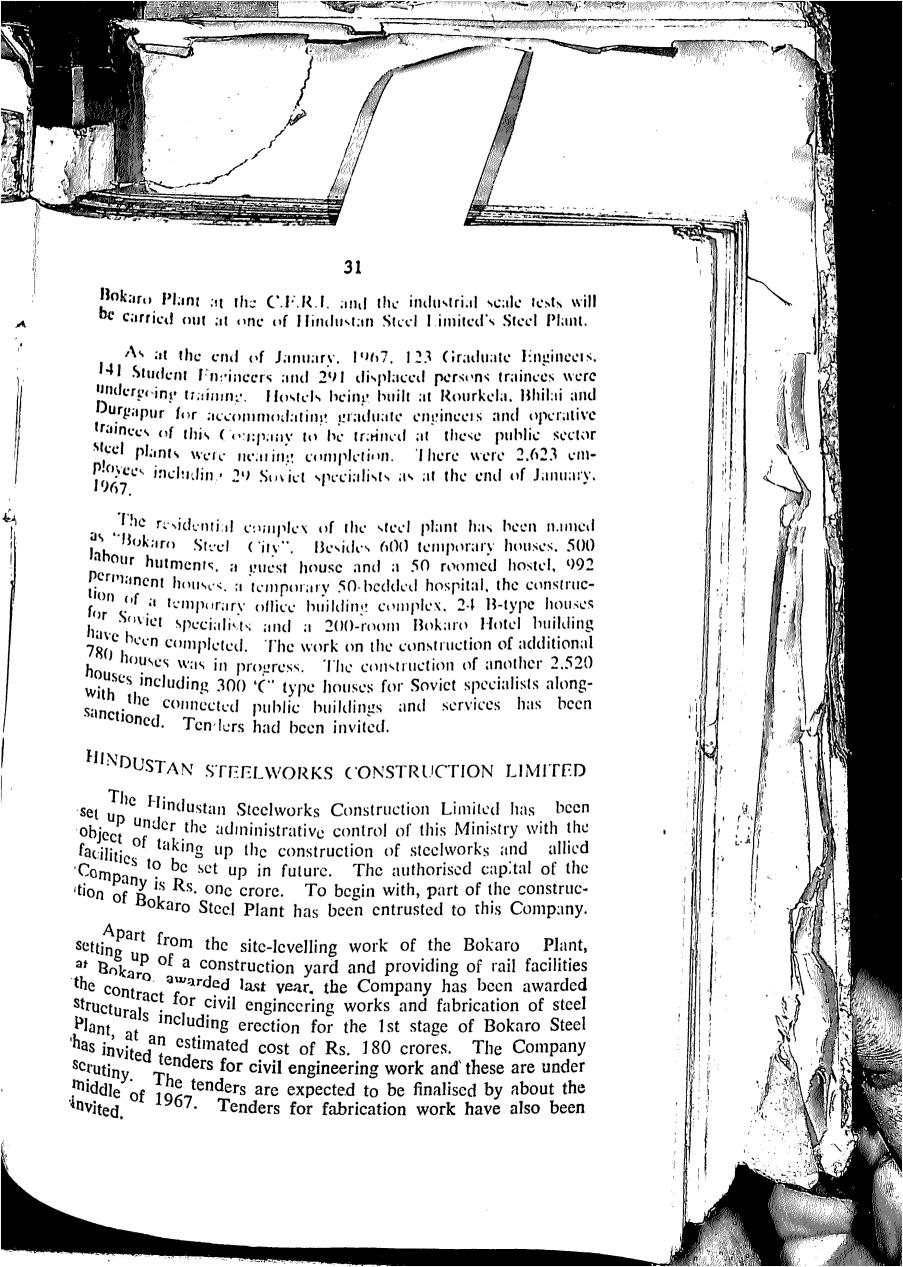
million has been awarded to M/s. Hindustan Steelworks Construction Limited. They have, in turn, invited tenders for the work which are being processed. The total structural steel-work to be fabricated in India for stage I amounts to Rs. 577 million. This work has also been awarded to Messrs. Hindustan Steelworks Construction Limited.

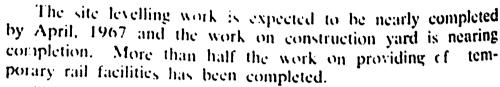
Consequent upon finalisation of the Detailed Project Report, the estimate of total land required for the plant, ancillary facilities, the township and the Garga dam and its reservoir has been revised to 29,788 cores. In addition, the railways' requirement for their marshalling Yard and colony is estimated at 1466 Against the total of 31,254 acres of land required the vised figures), about 16,139 acres of land was acquired by the Government of Bihar and delivered to Bokaro Steel Limited up to January, 1967. The work on the rehabilitation of the displaced persons is simultaneously in progress. 1,235 families were shifted to the January, 1967. Bokaro Steel Limited have made arrangement at their cost for technical Industrial Training various training of displaced persons in Institutes in the neighbourhood.

91% of the work has been completed on Garga dam. Storage of water in the reservoir had also been built up the last monsoon. The construction of Dam over the river Damodar at Tenughat which will supply industrial water to the plant was also taken up by the Government of Bihar. The Damodar Valley Corporation has agreed to meet the full requirement of power for construction. The supply from their Chandrapura of Power station across the river Damodar at 11 KV had already commenced

In order to develop Bhavanathpur Limestone Quarry fomeet the requirement of limestone for the blast furnace, a contract was signed on 24th September, 1965 with the Soviet organisation, Messrs. Tiajpromexport for deputing Soviet specialists nisation, Messrs. Tiajpromexport for deputing Soviet specialists nisation for the designing of to India for rendering technical consultation in the designing at project Report for Bhavanathpur Limestone Quarry was under Project Report for Bhavanathpur Limestone Quarry was preparation and is due to be completed shortly. The work was in progress on Meralgram-Bhavanathpur rail line being built as deposit work for this Company by the Railways at an estimated a deposit work for this Company by the Railways at an estimated line arranged pilot plant tests of the Coal blends required for line arranged pilot plant tests of the Coal blends required.







The paid up share capital of the Company as on 1966-67 is Rs. 23 lakhs, apart from a loan of Rs. 50 lakhs paid during the year 1966-67 for the purchase of earth-moving equipment. For the financial year ended 31st March, 1966 the Company showed gross profit of about 1.3 crores before payment of taxes and dividend; the dividend declared (on share capital of Rs. 5 laths (a 15%) was Rs. 75,000, and the Company paid bonus to employees, other than deputationists, at 20%. The Company expects to make gross profits of Rs. 1 crore (before payment of taxes and dividends) for the financial year 1966-67. As on 31st December, 1966, the Company had 128 employees on its rolls.

## MYSORE IRON AND STEEL LIMITED

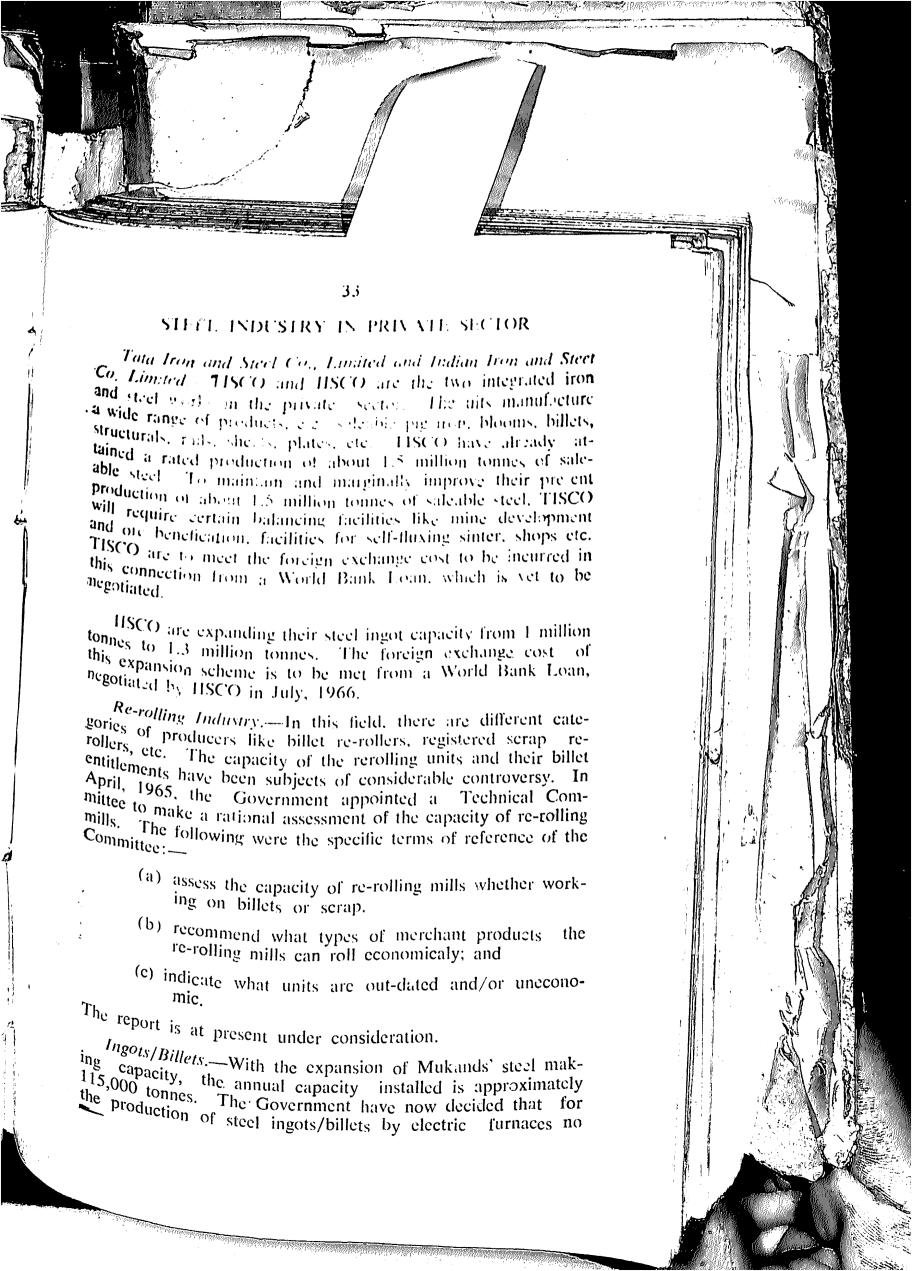
(A Government of Mysore Undertaking)

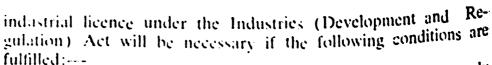
Mild Steel Expansion.—It was earlier expected that the full production under the expansion programme will be achieved during the year 1966-67. Due to continued teething trouble, this expectation has not materialised. Efforts are continuing to actain full production as soon as possible.

Alloy and Special Steels.—The work on the conversion of facilities already installed at Mysore Iron and Steel Limited to the production of alloy and special steel is progressing. The equipment has started arriving at site and one of the electric furnaces now being installed is likely to be commissioned shortly. Production of special steel has already started with the existing equipment.

Expansion of pig iron capacity.—Equipment required for the expansion of pig iron capacity from 80,000 tonnes to 200,000 tonnes per annum has already been ordered and contracts awarded for Civil Engineering and various other works connected with the implementation of the Project.

The production of alloy steels which was developed during the 1962 Emergency at the integrated Steel Works and other units continued to make progress and met some of the requirements of special steel of the Defence Industry and other engineering industries.





(i) The electric furnaces will be procured indigenously and no foreign exchange will be allowed for importing component/accessories connected with.

(ii) The entrepreneur will arrange for the raw material himself and no Government assistance will be given in this respect.

(iii) Necessary intimation will be sent by the entrepreneur to Iron and Steel Controller indicating the capacity and the date from which production commences.

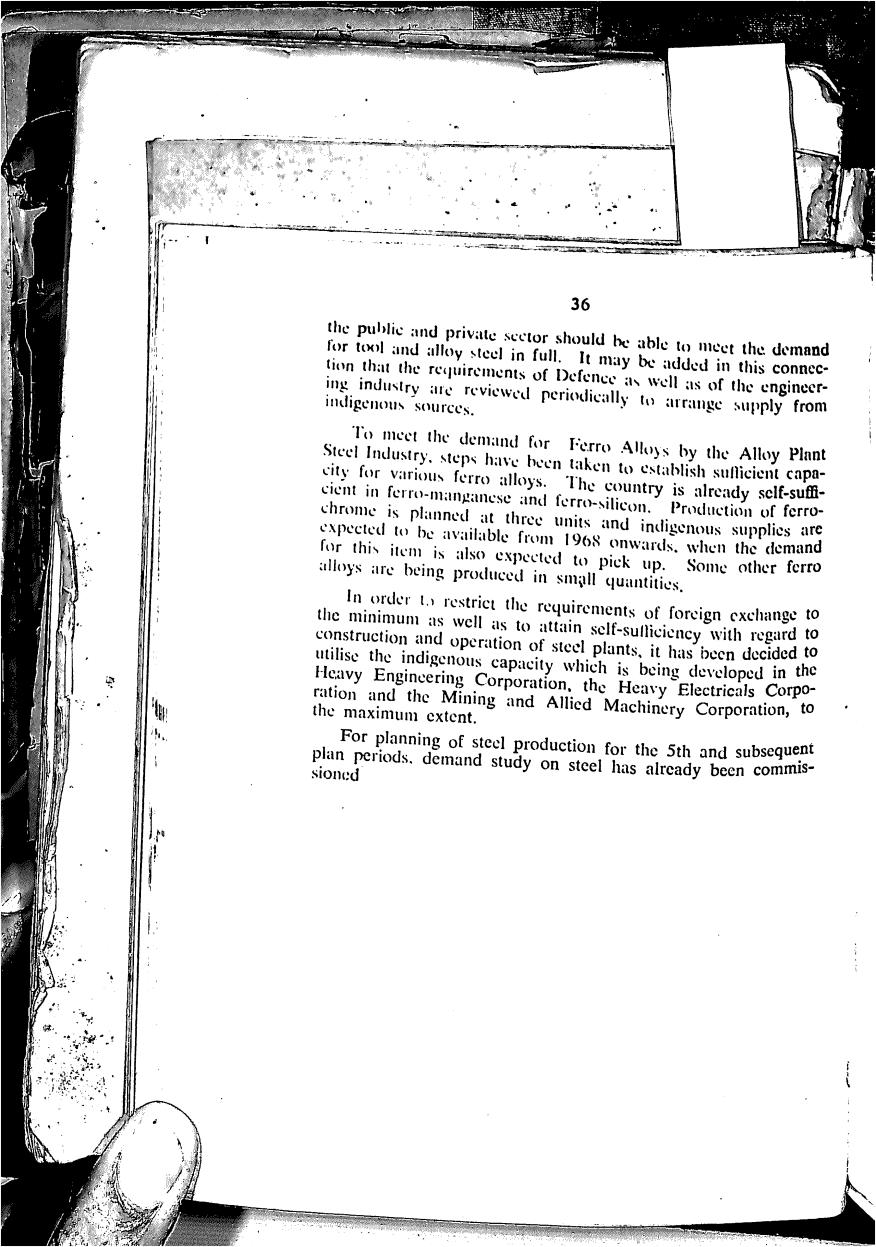
With regard to the 3 continuous casting schemes sanctioned earlier, Mukands have already installed their unit and the unit to be installed at Arkonam, it is expected, will be completed in another and have in another one and a half year or so. Some more units have recently been sanctioned.

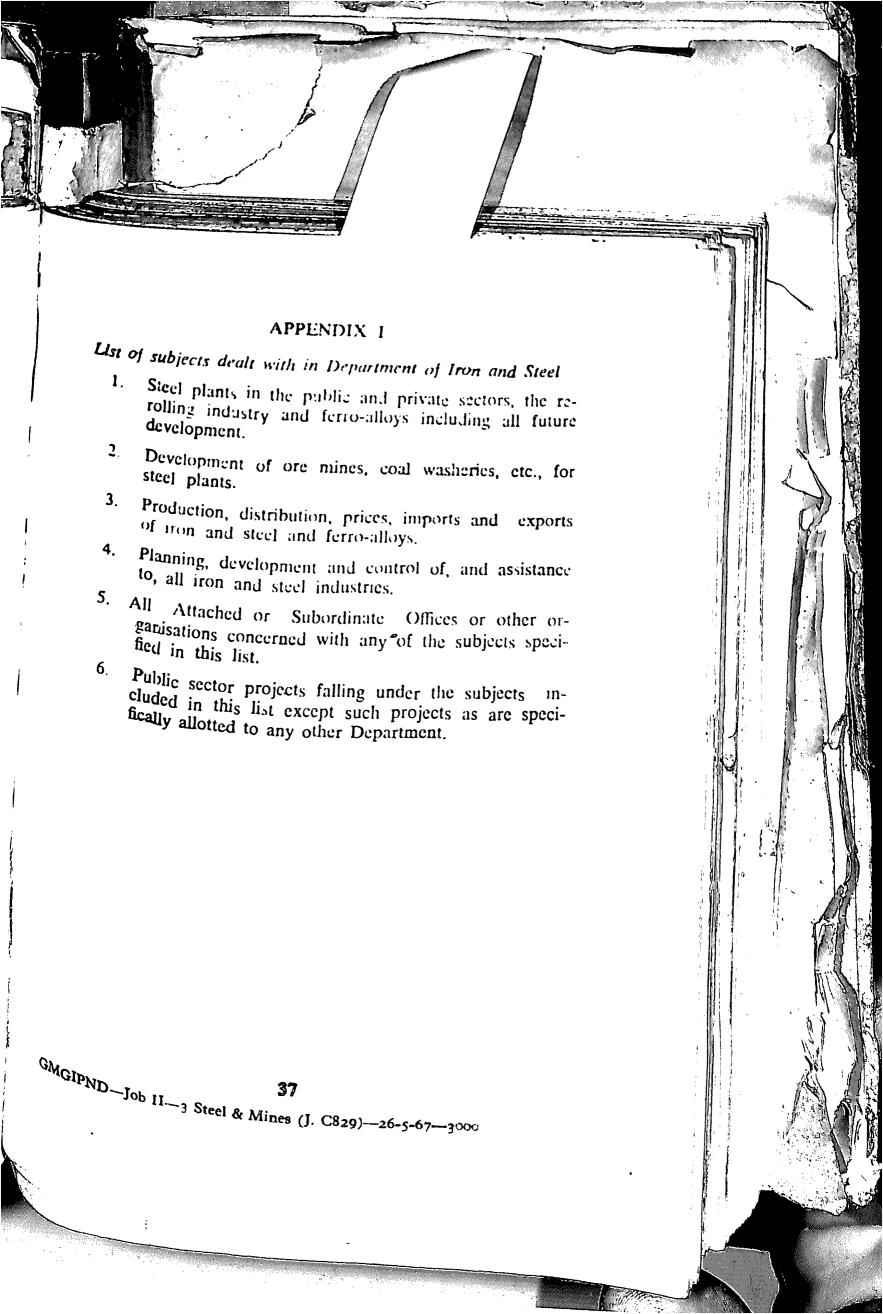
Wire.—There are at present three categories of wire drawing producers. Firstly, there are the units licensed under the dustries (Davidson) Besides there are also medium sized units, which are sanctioned under the Iron and State of the Iron and Iron a Act. the Iron and Steel (Control) Order. In addition, there also small wire drawing units, which can be set up with indigenously product of genously procured plant and raw materials without any permission from the Leavest and raw materials without any permission from the Leavest and raw materials without any permission from the Leavest and raw materials without any permission from the Leavest and raw materials without any permission from the Leavest and All these units cater to the requirements of various kinds of wires like mild steel wires, special wires like mild alloy wires, special wires like tyre-bead, electrode core type, alloy steel and other special wires. steel and other special quality wires.

Pig Iron.—It has been decided that for the capacity sanctioned in the private/state sector, where schemes still remain to be implemented. be implemented, the blast furnaces, etc., which can now made in the country and other related equipment will have to be secured from within the secured from within the country.

Tinplates.—According to the National Council of Applied Economic Research and Economic Research, the estimated demand for Tinplates in 1970-71 is expected to the National Council of Arr in 1970-71 is expected to be in the region of 524,000 tonnes (including 50,000 tonnes) the installed cluding 50,000 tonnes for export). At present, capacity for tinplate is about 200,000 tonnes per annum. dition, a capacity of about 240,000 tonnes per annum. licensed. Of this, the Tipplate Contributions of the contribution of the Of this, the Tinplate Co. of India expansion scheme will contribute 90 000 toppes. bute 90,000 tonnes. The Government have recently accepted

The demand for alloy steels by 1970-71 is estimated at sourced low alloy high strength steel has been placed at 150,000 of 500,000 tonnes, respectively. The latter will be produced by the integrated steel plants. As regards the demand to treble its capacity to 180,000 tonnes of finished steel. Thus completion of the change over of the Bhadravati Plant to y, tool alloy and special steels schemes in private sector. Currently is considered that between themselves the schemes in





ORGANISATIONAL CHART THE MINISTRY OF STEEL, MINES & METALS (DEPARTMENT OF IRON & STEEL) (AS ON 1.5.1967) MINISTER MINISTER SECRETARY SECRETARY DIREC TOR DS(S) DS(C) DS (M) ण्ड(र) एड(र) एड(र) एड(र) SECRETARIES. US (G) US(R) US(R) US(G)

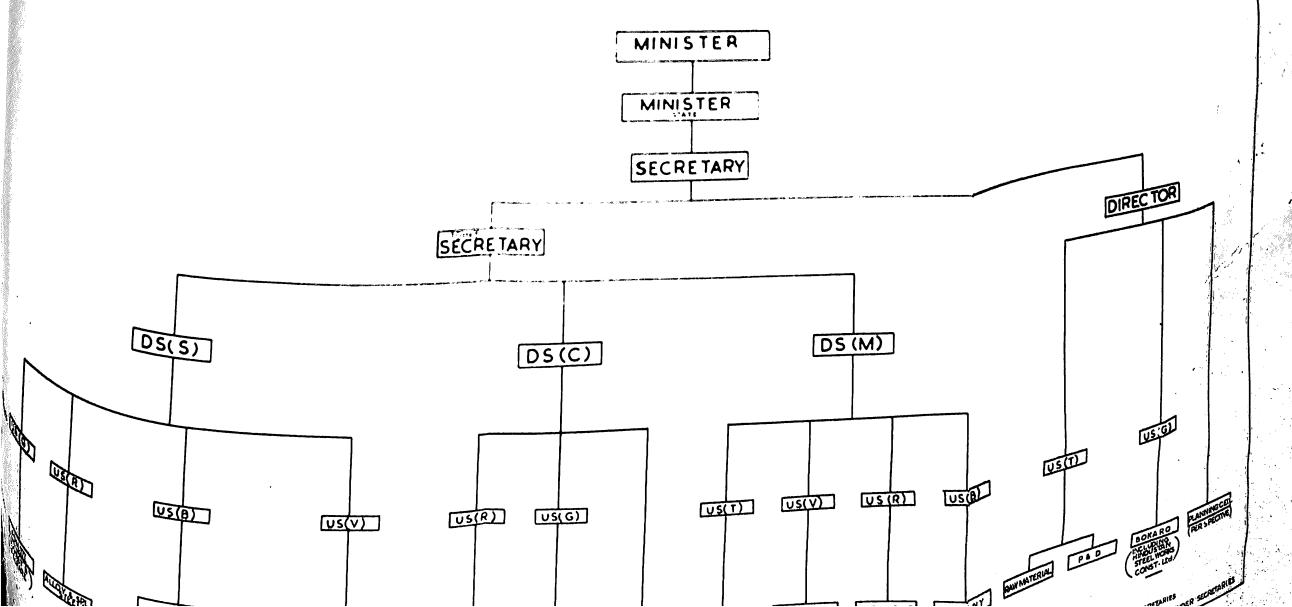
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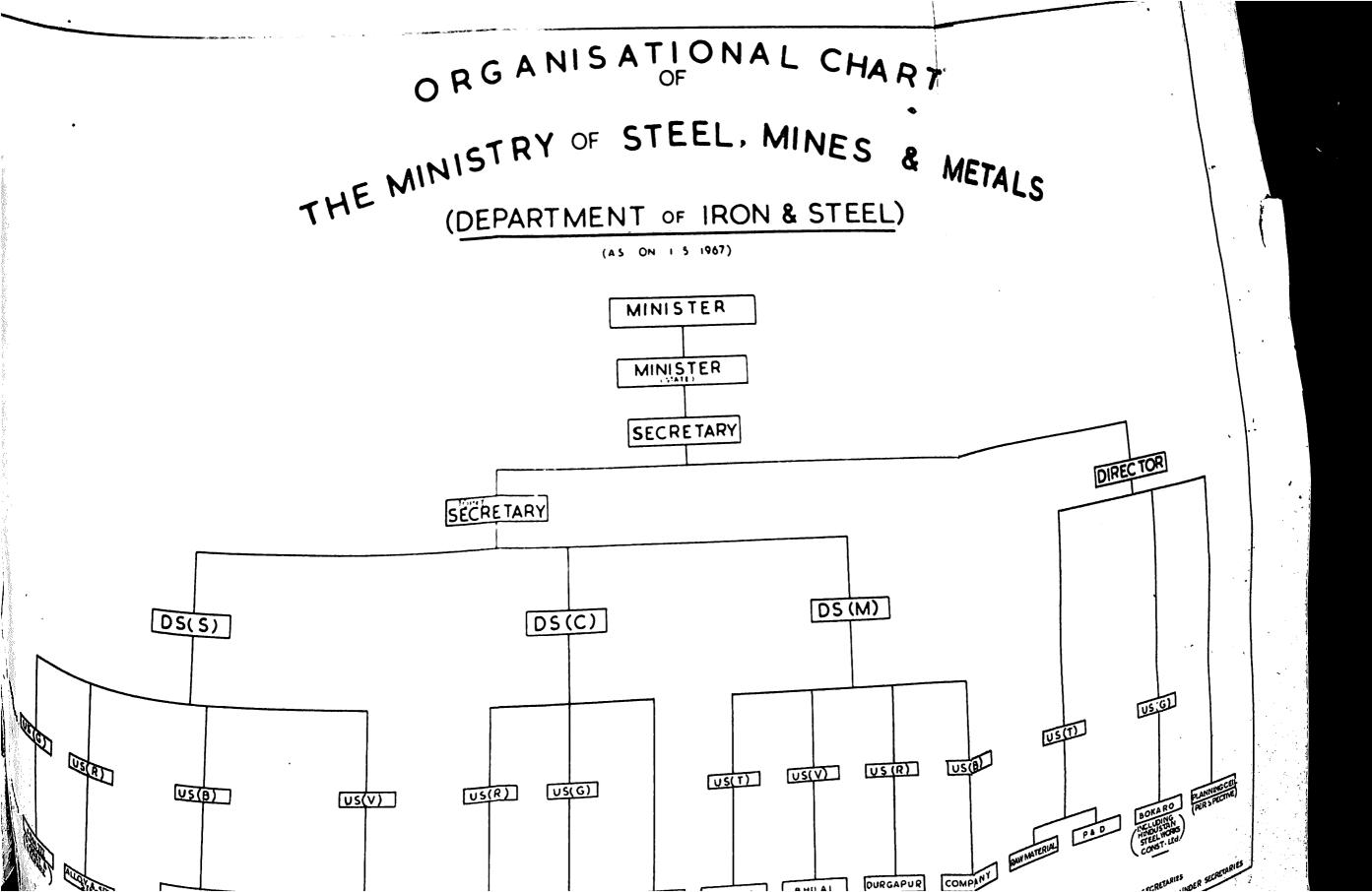
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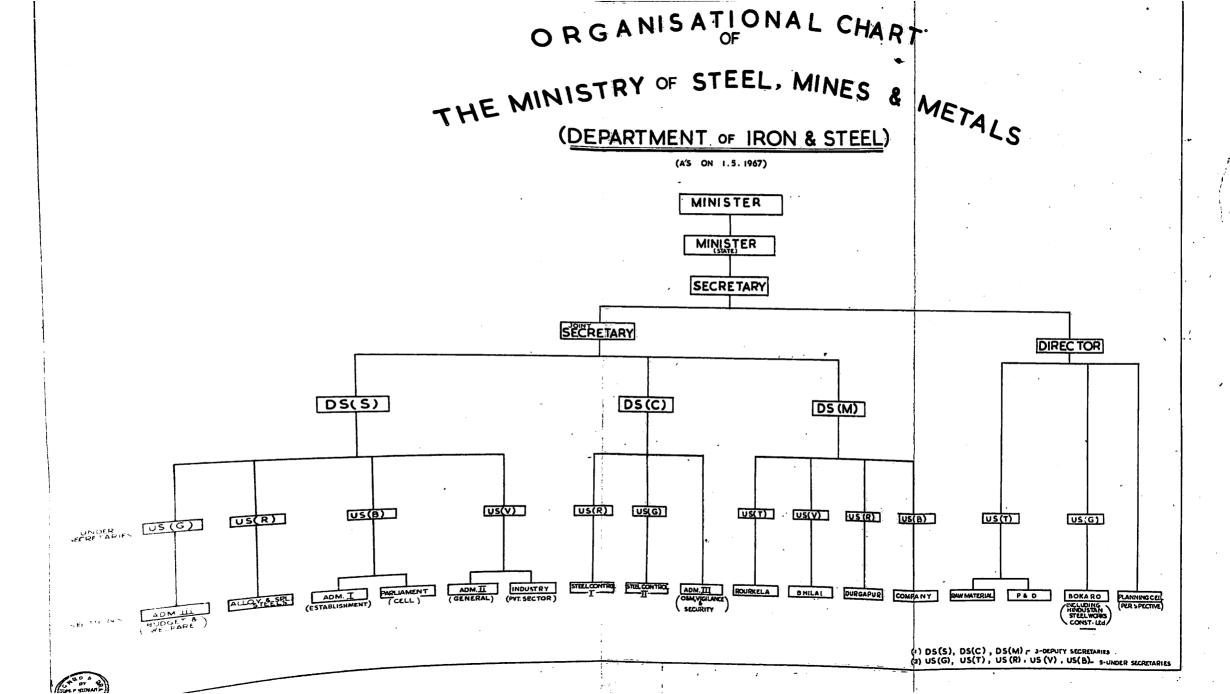
THE MINISTRY OF STEEL, MINES & METALS

(DEPARTMENT OF IRON & STEEL)

(AS CON 1 3 1967)







ANISATIONAL CHART RY OF STEEL, MINES & METALS ARTMENT OF IRON & STEEL) (A'S ON 1.5.1967) MINISTER MINISTER SECRETARY ARY DIREC TOR DS (M) DS(C) US(T) US(G) US(G) US(T) US(V) US (R) US(B) PLANNING CELL (PER SPECTIVE) BOKARO RAW MATERIAL ADM.II ROURKELA BHILAI DURGAPUR COMPA NY CONST-LEd (1) DS(S), DS(C), DS(M), 3-DEPUTY SECRETARIES
(2) US(G), US(T), US(R), US(V), US(B)- 5-UNDER SECRETARIES

