2. Details of Variable Cost
(Step 1, 1.0 MT)

COSt Center. Indicate 1 and												
lten	Qusotity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton	(rem	Quantity	Unit Price	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs_/ton	.
Ore fine (Sinter)	1,052.4×30³ t	112	117,869			* Ore fine	1,052,4×10³ t	113.32	119,259	783 kg/r		
Manganese ore fine (Sinter)	45.7×10 ³ t	183	8,363			* Mang, ore fine	45.7×10³ t	185,16	8,462	34 kg/t		
High grade ore (8 F)	173.3×10³ t	142	24,609			* Lime stone	165.3×10³ t	192,24	31,777	123 kg/t		
Low grade ore (BF)	403.2×10³ t	135	54,432			* Dalomite stone	164.0×10³ t	197.30	32,357	122 kg/t	: '	
Om (80F)	32.0×10³.t	145	4,840		<u> </u>	* Quartzite	29.6x10³ t	156.82	4,542	22 kg/t		
Lime stone (Sinter)	165.3x10³ t	061	31,407			Flue dust	26.3×10° t	87	1,762	20 kg/t		
Lime stane (8F)	42.0x10 ³ τ	190	7,980	•	-	Quick lime fine	13.3×10³ t			10 kg/t		
Lime stone (80F)	233.0×10 ³ ;	250	58,250		• • • • • • • • • • • • • • • • • • •	(Material cost total)	(1,497.3×10³ t)	-	188,259 }			147.51)
Dolomits stone (Sinter)	164.0×10 ³ t	195	31,980			· · · · · · · · · · · · · · · · · · ·						
Dolomite stone (80F)	23.8×10³ t	200	4,760			Coke breeze	121.0x10° t	422	51,062	30 kg/t		37.99
Quartrite (Sinter)	29.6×10 ³ t	155	4,583	•		-						
(Material cost total)	(2,364.3×10 ³ t)		348,878)			C ax	67,200×10 ⁶ kcal		7,594	50x103 kcal/t		
						Electricity	53,760×103 kwH		18,709	40.0 kwH/t	· · · · · · · · · · · · · · · · · · ·	
Electricity	11,822×103 kwH		4,114	5.0 kwH/t	1.74	Industrial water	671×10° 2		503	0.5×1038/t		
(Utilities total)			4,114)		174)	(Utilities total)			26.805)		-	19 95
				:								

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Variable cost total	2,364.3×10³ 1		352,992			Variable cost total	1,344,0×10³ t		276,127		20	205 45
		1										-

Variable Cost Cost Center: Coke Oven

1.0 - MT Production BF Coke 792.2 x 1,000 ton

											I	I	I	I																	
kem	• Coke	* Sinter	* N. grade ore	L. grade ore	Scrap (iron)		* Lime stone	Other sub-material	(Main & sub material)		By-product (slag)	By-product (dust)	By-product (skuif)	By-product (gas)	(By-product total)	(Material cost total)		Electricity (blower)	Indust, water (blower)	Electricity	Gas	Steam	Nitragen	Industrial water	(Utilities total)						Hot metel Variable cost total
													<u></u>	٠.	· .	:				 						·					
Unit Cast Rs./ton					1,125.87 }					((-) 373.29)		753.58 }							(21195)		1,52						367.05		1,027.60	1,027.60	1 027 60
Unit Consumpt.														646×103 kcal/t	27.0 kwH/t	0.461 Ut	1.0×10³ 2/1	0.25 Nm ³ /t		-											
Amount (1,000 Rs.)	449,213	244,771	62.956	135,762	892,702 }		(-) 165,407	83,538 (-)	46,715	(-) 295,720)		596,982)		97,160	12,508	57,150	898	82	1 608, 791	:-	1,208						755,099	(-) 33,422	732,577	690,546	42,131
Unit Price (Rs.)	675	613	473	1,020	(670.7)	<u> </u>		422 (3,027							422			
Quantity	665.5×10 ³ t	399.3×10³ t	133.1×10° t	133.1×10 ³ t	(1,331.0×10 ³ t)		(-) 1,463,776x10 ⁶ kcal	(-) 198,1×10³ t						859,826×10° kcal	35,937×103 kwH	612,2601	1,331×10° g	333×103 Nm3			388						BF coke 792.2x103 t	(-) 79.2×10 ³ t	Lump coke 713.0x10 ³ :	672.0x10 ³ 1	41.0×10 ³ t
Ilem	Coal (prime)	Coal (medium)	Coal (blendable)	Coal (Australia)	(Coal total)		By-product (gas)	By-product (coak breeze)	By-product (ethers)	(By-product total)	•	(Material cost total)		C Ex	Electricity	Steam	industrial water	Nitrogen	(Utilities total)		Absorbans oil						Variable cost total	By-product (screening) (coke breeze)	Variable cost total	For 8F	For sales

Variable Cost Cost Center: Blast Furnace (1)

1.0 - MT Production 1,050.0 x 1,000 ton

Rem	Quentity	Unit Price	Amount	Consider	5 °	Unit Cast
P.Coke	672 04103 .	1 077 60	690 546			
	· Alvanio					
* Sinter	1,344.0x10³ t	205.45	276,127			
* H. grade ora	173.3×10 ³ t		24,899			
L. grade ore	463.2×10³ :		55,074			
Scrap (iron)	14.7×10³ t	1,830	26,901			
* Lime stone	42.0×10³ t		8,074			
Other sub-material			17,640	(8)		
(Main & sub material)			(1,039,261)		-	1,046.31
By-product (slag)	(-) 493.5×10³ t	237	096'911 (-)			
By-product (dust)	(-) 26.3×10³ t	63	(-) 1,762			
By-product (skuil)	() 7.8×10° t	1,220	815'6 (-)	:		
By-product (gas)	(-) 1,757,220×10° kcal		198,566			
(By-product total)			((-) 326,804)		<u> </u>	311.24)
(Material cost total)			(772,457)			735.67)
Electricity (blower)	115,500×10 ³ kwH		40,135	110.0 kwH/t		
Indust, water (blower)	16×10° 2	:	12	0.015×10 ³ 2/t		
Electricity	40,950×103 kwH		14,252	390.0 kwH/t		
Gas	646,800×10° kcal		73,088	516×10 ³ kcal/t		
Steam	48 300 1		4,509	0.046 v/t		
Mitragen	5,250×102 Nm2		1,342	5.0 Nm ³ /t		
Industrial water	3,150×10° g		2,360	3.0×10° Øt	1 - 13 - 15	
(Utilities total)			(135,758)		••	129.30)
				"		
Hot metal	1,050.0×10³ t		908,215			364.37
Variable cost total					:	

1.88) 848,99 848.99 848.93 847.11 Unit Cost Rs/100 1.0 - MT Production 62.6 x 1,000 ton 0.2×10³ Øt 5.0 kwH/t Unit Consumpt. 118] 109 ch 53,147 19,782 33,365 53,029 Amount (1,000 Rz.) Unit Prica (Rs.) 847.11 62.6×10³ t 62.6×10³ r 23.3×10³ t 39,3×10³ t 12×10° g 313x10³ kwH Quantity Cost Center: Cold Pig Iron Variable cost total ltem. Variable Cost industrial water (Utilities total) Electricily For sales For BOF Hot metal 35.51) 847.11 847.11 847.11 882.62 Unit Cost Rs./ton Ξ 1.0 - MT Production 1,029.0 x 1,000 ton Unit Consumpt. 3,782 36,539) 871,676 818,647 53,029 32,757 908,215 Amount (1,000 Rs.) I I Unit Price (Rs.) 864.97 1,830 21.0x10³ t) 3.1×103 t 17.9×10³ t 966.4×10³ t 1,029.0x10³ 1 62.6×10³ t 1,050.0×10³ t Quantity Cost Center: Blast Furnace (2) II ĵ By-product (iron scrap) Variable cost total By-product (skull) (By-product total) Ten. Variable Cost For cold pig • Hot metal For BOF

Variable Cost Cost Center: Burnt Lime	ime	1.0 - MT	Production 120.0 x 1	.0.0 × 1,000 ton	e	Š	Cost Center: Dolomite	mite	1.0 - MT		Production 10.0 x 1,000 ton	
ltem.	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton	L	ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton
* Lime stone	233.0×10 ³ .t		58,937		491,14	•	* Dolomite stone	23.8×10³ t	+	4,918		481.60
Nitrogen	3x103 Nm3	-	- ,	0.02 Nm³/r								
Industrial Water	106×10° &		79	0.8×10 ³ £/t		<u></u>	Electricity	285×103 kwH		98	28.48 kwH/t	
Gas	135,261×10 ⁶ kcai		15,284	1,017×103 kcal/t			Industrial water	3×10° 2	o,	2		
Electricity	8,545×103 kwH		3,009	65.0 kwH/t			Steam	2,2001		205	0.22 v/t	
(Utilities total)			(18,373)		(11.53.11.)		Gas	25,000×10 ⁶ kcal		2,825	2,500×10³ kcal/t	
							(Utilities total)	·	· · · ·	3,131)		313,10 }
Refractory (brick)	401	4,000	160	0.33 kg/t	1.33							
							Refractory		~	570		90.73
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Variable cost total			77,470		645.58		Variable cost total	10.0×10³ t		8,517		851.70
						<u>ا</u>					5	

Cost Center: Basic	Cost Center: Basic Oxygen Furnace (LD) 1.0 - MT Production molten steel 1,036.3x1,000 ton	1.0 - M	Froduction m	oiten steei 1,	336.3×1,000 ton	Cost Center: Ingot Casting	Casting	1.0 - MT	-	Production 515.0 x 1,000 ton	.
itum	Quantity	Unit Price (Bs.)	Amount (1,000 Rz.)	Unit Consumpt.	Unit Cost Rs./ton	ltem	Quantity	Unit Price (Rs.)	Amount (1,000 As.)	Unit Consumpt.	Unit C Rs./ts
+ Hot metal	966.4×10³ t	847.11	818,547	932.6 kg/t		- Matten sleei	531.0×10³ t	1,393.52	740,170		1,
• Cald pig iran	23,3x10 ³ t	848.89	19,782	22.5 kg/t							
Serap (ratum)	168.4×10³ t	1,877	315,094	158.5 kg/t		8y-product (skuil)	(-) 5.3×10³ t	1,220	(-) 6,466		
Scrap (purchase)	6.3×10³ t	2,030	12,789	1.	<u>. 12.</u>	By-product (steel)		2 030	17712 (-)		
(Main material cost)	(1,164,4×10 ³ t)	-	(1,167,312)	(1,123.7 kg/t)	(1,126.42)	10.					
• Burnt lims	120.0x10 ³ t	645.58	77,470	115.8 kg/t		tay product total					
.o.	32,0x10 ³ t	146.72	4,595	30.9 kg/t				-			
* Burnt dolomite	10.0×10³ t	851,70	8,517	9.7 kg/t		(Moterial cost total)			(711,983)	· .	
Fluospar	4,0×10³ t	4,007	16,028	3.9 kg/t							
Ferre-mananasse	8.8×10³ t	7,800	68,540	8.5 kg/t		Ladle brick	2,369 1	2,077	4,820	4.6 kg/t	
Facro-silicon	1.5×10³ t	13,800	20,700	1.4 kg/t		Sliding nozzle	308	59,200	18,293	0,5 kg/t	
Alminium	0.2×10° I	23,300	4,560	0.2 kg/t		(Refractory total)			(23,213)		·.
Coke (brenze)	0.7×10 ³ 1	2,684	1,879	0.7 kg/t							
(Sub-material)	(1 (17.2×10 ³ t)	-	(202,589)		195.48)			33 300	1 200	0 \$ 1.0%	
By-product (steel scrap)	(-) 12,0x10³ t	2,030	(-) 24,360			Al-3703		900	CUDY,	,	· :
By-product (skull)	(-) 8.0×10³ t	1,220	092,6 (-)			Ingot mould	11,330 t	6.206	70,314	22.0 kg/t	· · ·
By-product (gas)	(-) 166,202x10° xcal		(~) 18.786			Bottom plate	1,803,1	8,408	11,554	3.5 kg/t	
(By-product total)			((-) 52,900 }		((-) \$1.05)						
(Material cost total)			(1,317,001)		(1,270.86)	Electricity	1,030×10 ³ kwH		358	2.0 kwH/t	
Oxygen	68,396×103 Nm3		17,483	66.0 Nm ³ /t		Gar	4,120×10 ⁶ kca		456	8x10 ³ kcal/t	
Nitrogen	9,327×10° Mm³		2,384	9.0 Nm ³ /t		Охудел	52×10³ Nm³		£1	0.1 Nm ³ /t	
Gas	20,725×10° kcał		2,342	20x103 kcal/t		(Utilities total)		1	(837)	/÷.	~
Electricity	31,089×103 kwH		10,819	30.0 kwH/t						-	
Industrial water	311×10° &		233	0.3×103 g/s		-					
(Utilities total)			(33,261)		(32,10)						
Main brick	5201	4,000	2,080	0.50 kg/t							
Furnace brick	12,300 t	7,450	91,635	11.9 kg/t	-						
Ladie brick	4501	1,200	540	0.43 kg/t							
(Refractory total)			(94,255)		90.95 }						
							•				
11-11-11											
Moiten Stoal Variable cost total	1,036.3×10³ t		1,444,517		1,393.92						
For ingot casting	531.0x10 ² t.		740,170		1,383,92						
For BL-1 CC	297.0×10³ t		413,994		1,393,92	Variable cost total	515.0×10 ³ t		819,101		
For BT-1 CC	208.3×10³ t		290,353		1,393.92	For blooming mill	515,0x10 ³ t		819,101		1

9.55 35.52 45.07)

54.73)

1,437.22

1,382.49 }

2.33 136.53 22.43

3

1,590.49

Variable Cost		•	} •	0.800		. 1 000 ton			Va	Variable Cost	ر		,	10 - 167	aoi maion	Production 200 0 × 1 000 ton	100	
רסגו רפתופר: בר-ו כר	3		l l	rroguesto		lois .	Loio	. Too	· L_	COST CERTER: D.I.	3 -		. In		Amount	i i i i	1	Unit Cost
Jtem.	Duantity	S C	Unit Price (Rs.)	Ambunt (1,000 Rs.)		Consumpt.	Rs./ton	ā g	1	ltem	_	Quantity	5	(82)	(1,000 As.)	Consumpt.	-	Rs./ton
* Moiten steel	297.0×10 ³ t		1,393.92	413,994	34			1,452.61	•	• Molten steel		208.3x10 ³ t		1,393.92	290,353		 -	1,451,77
By-product (steel)	(-) 5.1×10³ t		2,030	(-) 10,353	23					By-product (steel)	<u>.</u>	(-) 3.5×10 ³ t		2,030	(-) 7,105			
By-product (skuil)	(-) 4.5×10³ t		1,220	(~) 5,490	92					By-product (skuli)	<u> </u>	(-) 3.1x10 ³ t		1,220	() 3,782		· .	
By-product (stale)	(-) 2.4×10 ³ t		8	I	72					By-product (scale).	<u>.</u>	(-) 1,7x10³ t		99	(-)		-	
(By-product total)	((-) 12.0×10 ³ t	1,0		((-) 15,915)	15.)	-	(-)	55.84)		(By-product total)	<u> </u>	-) 8.3×10³ t)	÷	= 	{ (-) 10,938 }		<u>.</u>	54,63
								-	<u> </u>			•		-		•	· .	
(Material cost total)				398,079)	18)		ü	1,396.77)		(Material cost)	·		· · · ·	•	278,415)		<u></u>	1,397.08
						· :							· · · · ·					
Ladle brick	9'.	1,6531 2,0	2,077	3,433	-	5.8 kg/r				Ladle brick		1,16	1,160 t 2,0	2,077	2,409	5.8 20/1		
Siding nozzle	56	85.5 t 59,200	902	5,062		0.3 kg/t	:			Siiding nazzle		22	1201 59,200	90	7,104	0.6 kg/t		
Fire clay brick		1,140 t 2,0	2,077	2,368	. 1. +	4.0 kg/t				Fire clay brick		1,20	1,200 t 2,0	2,077	2,492	6.0 kg/t		
Castable (Hi-Ai)	71.	712.51 3,8	3,800	2,708	 -	2.5 kg/t				Castable (Hi-Al)		36	300 t 3,8	3,800	3,420	4,5 kg/t		
Nazzie (zircon)		34.2 t 61,500	200	2,103	:	0.12 kg/t				Nozzle (zircon)			181 61,500	8	1,107	0.09 kg/t		
(Refractory total)				15,674	141			55.01		(Refractory total)				-	15,532)			82.66)
947	142.5×10 ³ Nm ³		5,434/103	174		0.5 m ³ /t				iPG		7		1	1	. 1		
Rapassod oil	34,2	34,200 g	11.3	386		120 cc/t				Rapezeed oil		24,000 &		11.3	27.1	120 cc/t		
Copper monid	5,70	5,700 kg	92	2,451	-	20 g/t		· <u>····</u>		Copper mould		4,000 kg		430	1,720		<u>.</u>	
Al wire	1		1	. 1	ı	1	-	-		Al wire	<u> </u>	20	20.0 t 23,300	8	466	100 9/1	75	
Burnt paddy	85,500 kg	O kg	م ق	419	-	0.3 kg/t				Burnt paddy		50,000 kg	2	8,9	294			
Tips	9.1	9,120 p	17.4	159		0.032 p/t				Tips		6,400 p		17.4	111	0.032 p/t		
(Sub-material total)				4,189)	38)			14.71.)		(Sub-material total)					2,862		_	14.31
						4.							· · · · · · · · · · · · · · · · · · ·				 	
Electricity	2,850x10 ³ kwH	E×3		992		10.0 kwH/t				Electricity	· ···	2,000×103 kwR	. œ		969	10.8 kwH/t	- ;	
Industrical water	114×10° 2	8 0			85 0.4×1	0.4×10 ³ Ø/t		•		Industrial water	· ·	80×10 ⁶ 8	o.;	<u>.</u>	6	0.4×10 Wr		
Gas	5,130×10° kcal	kcal		3	580 18×10	18x 10 ³ kcal/t	.*			Gas		3,500x10 ⁶ kcal	cal		407	18×10 ³ kcaUt	#	
Охудел	456×10 ³ Nm ³	Nm3		117		1,6 Mm²/t		.		Охуреа		20x103 Nm3	r _e	· ·	'n	0.1 Nm ³ /t		
Nitrogen	114×183 Nm3	Vm ²			29 0.4 7	0.4 Nm ³ /r		<u>:</u>	<u></u>	Nitragen		80x103 Nm3	n _E		20	0.4 Nm³/t	· · · ·	
(Utilities total)				1,803 }	33 }	-		6.31)		(Utilities total)	-			-	1,188)		<u>.</u>	5,34
									- 1								. : 	
Variable cost total	285.0×10 ³ t	1,0		419,745	45			1,472.79	Ľ.	Variable cost total		200.0×10° t			289,897			1,489.95
For blooming mill	285.0x10 ³ t	7.0	<u> </u>	419,745	45		-	1,472.78	L_	For No. 1 New Bar	1	200.0×10° t	1.6		299,997			1,493.99
			-]									

	Item	-	Quantity	Unit Price (Rx.)		Amount (1,000 Rz.)	Unit Consumpt.	a).*-	Unit Cost Rs./ton	 ltem	Quantity		Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs/ten
	* ingat steel		515.0×10 ³ t	1,530.49		819,101		~	1,728.06>	 * Bloam	480	480.0×10³ t 1	1,681,50	807,120		
	By-product (scale)	1	15.4×10 ³ t	30	ĵ	462				By-product (scate)	Î	4.8×103 t	8	(-) 144		
	By-product (scrap)	Ξ	25.6×10 ³ 1	2,030	I	51,368		····		 By-product (scrap)	(-) 23.	21.8×10 ³ t 2	2,036	(-) 43,848		
	(By-product total)	Ī	41.0x10 ³ 1		<u>:</u>	52,430)		<u> </u>	110.613	 (By-product total)	((-) 28.	25.4×10³ t		((-) 43,992)		<u> </u>
	(Material cost)		474.0×10 ³ t }		<u></u>	766,6713		<u>≅</u> .	1,617.45%	 					:	
		<u> </u>			٠.					 (Material cost)				(763,128)		
	* Cost bicam		285,0x10 ³ 1	1,472.74		418,745	1 /-	~	1,488.45>				:			
	By-product (scale)	I	1.2x10 ³ 1	99	I	38				 Roli	75	58.040 kg	72	1,701	0.15 kg/t	
	By-product (scrap)	1	1.8×10 ³ t	2,030	Ţ	3,654				Consumables	<u> </u>			4,282	-	
	(By-product total)	Ţ	3.0x10 ³ t.)		<u> </u>	3,690 ;		Ţ	13.08)	 * .	7					
	(Material cost)	<u>~</u>	282.0×10 ³ t.)			416,055 }		×	1,475.37)]	 Electricity	12,020x10 ³ kwH	103 kwH		4,183	26.5 kwH/t	
						····				industrial water	33	327×10° 2	•••	245		
	Roll		52,920 kg	20	·	1,058	0.07 kg/t		1,40	 (Utilities total)			_ 	(4,428)		
82	Consumables			1		4,113	-		5,44		. :					<u> </u>
1		-													•	
_	Gat	ř	334,908x10° kcal			37,845	443x103 kcat									
	Electricity		18,734×103 kwH			6,520	24.78 kwH/t								,	
	Industrial water		302×106 R			226		·								
	(Utilities totel)	<u></u>				44,591)	•		\$8,383							
	· ·				<u> </u>											
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													•		1:	
	:									 Variable cost total	453.	453.6×10 ³ t		773,538		
										 For sheet bar	121	127.0x10³ t		218,577		
	Variable cost total		756.0x10³ t			1,232,488			1,630.29	 For merchant	261	261.0×10³ t		445,092		
	For billet mill		480.0×10³ t	<u> </u>		807,120			1,581,50	 For No.1 New Bar	09	80,0×10³ t		102,320		
_				_								_				

Cost Centre: Sheet mill	mill		10 - MT	10 MT Production 100.0 x 1	30.0 × 1,600 ton	ШО	• 1	Cost Center: Galvanized Sheet	nized St		1.0 – MT	Production	Production 30.0 \times 1,000 ton	ig ton		
hem	Quantity		Unit Price (Bs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton		Item		Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	pt	Unit Cost Rs./ton	055 24
Sheet bar	1,721	127,0x10 ³ t	1,705.33	216,577		2,165,77	L	Black sheet		30.0×10³ t	1,941.06	782'85	7.		<u>.</u>	1,941.06
By-product (scale)	(-)	0.5×10³ t	30	<u> </u>							1			· · · · ·		
By-product (scrap)	(-) 28.	28.5×10³ t	2,030	(-) 53,735				Spelter		2,452.5 t	29,500	72,349	19 81,75 kg/t	5	2,4	2,411.63
(8y-product total)	(+) 22.0	27.0x10³ t		((-) 53,810)		((-) 538.10)			·							:
		i						By-product (zinc droes)	Ţ	2701	19,000	(-) 5,130	<u> </u>	<u>- </u>		
(Material cost)	:			162,767 }		(1,627.67)		By-product (skimming)	I	1881	2,600	(-) 488	92			
	-							(By-product total)	3	-		((-) 5,619)		<u> </u>		187.29 }
Roll	265	265,000 kg	70	5,300	2.65 kg/t	53.00						:				
Consumables	1]	420		4.2		Consumables			ľ	720				24,00
				-									•	-11.0-1		
Gas	140,000×10° kcal	O Kcal		15,820	1,400×10³ kcsl/t			Industrial water		168×10° 2		120			•	8,
Electricity	20,110x10 ³ kwH	03 kwH		868'9	201.1 kwH/t			(Utilities total)		:		(12	120)	<u>ب</u>	٠	4 .00 4
Industrial water	1		1	1					-						-	
Steam		30,000 t		2,801	0.3 Vt	:										
(Utilities rotal)				(25,619)		(256.19)					<u> </u>			*****		
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Variable cost total	100.0	100.0x10³ t		194,106		1,941.06								 		
For galvanizad sheet	30.0	30.0×10³ t		58,232		1,941.06		Variable cost total	- 1.	30.0×10³'t	1	125,802	2		4.1	4,193.40
For cales (black sheet)	70,0	70.0×10³ t	\$	135,874		1,941.06	1	For sales		30.0×10³ t		125,802	2	 	4	4,193,40
			1	A	1		J			4				-		7

Lane	LOST Center: Merchanit & Dar					The second secon							
1.	ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Cansumpt.	Unit Cost Rs./ton	trem	Ωυαπτέτγ	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit . Consumpt.	Unit Cost Rs./ton	· · · · · · · · · · · · · · · · · · ·
1 1 1 1 1 1 1 1 1 1	Biller	261,0x10 ³ t	1,705.33	445,092		1,780.37	* Cost biller (9T CC.1)	200.0×10 ³ t		299,997			
Communication Communicatio							* Billet	60.0×10³.r		102,320			
1-	By-product (scale)		စ္က				(Tetal)	(260.0x10³ t	•	(402,317)		(1,583.92)	_
Company Comp	By-product (scrap)		2,030				·						·
155,000 to 2	(By-product total)				:		By-product (scale)			(-)			· .
1,222.65 1,540 0.22 ipt 6.16 (Mareria cond cond cond cond cond cond cond cond		1 11		:			By-product (scrap)			(-) 6,902			· · · · · · ·
1540 0.22 tsfn 6.18 1640 1520 ts 1540 1520 ts 1540 1522 tsfn 6.18 1640 1520 ts 1	(Material cort)			(433,162)		(1,732.65}	(By-product total)			(086'9 (-))		((-) 27.48)	
15,000 kg 28 1,540 2.22 2.130 2.13											-		
100,000 t0° kcal 11,200 400 t0° kcalit 1,200 1,200 t0° kcalit 1,200	Roll	55,000 kg	28	1,540	0.22 kg/t	6.16	(Material cost)			395,337)		1,556.44)	
15.02 Set 10 ket 1 11.300 400 t0' ket 1 11.300 40 t0' ket 1 11.300 t0' ket 1 11.	Cansumables			5,325	1	21.30							
13,000 to 1° keel 1,300 600 to 1° keelt 1,502 to 1° keelt 1,502 to 1° keelt 5,229 60.1 keelt 2.26 60.1 keelt							Bell	76,200 kg		2,134	0.3 kg/t	8.40	
15,025x10 ² kwH 5,229 63.1 kwH/l 63.5 63.5 63.1 kwH/l 63.5	Gar	100,000×10° xcal		11,300	400×10 ³ kcal/t		Consumables	l	1	5,410	1	21.30	
1,000	Electricity	15.025×103 kwH		5,229	60.1 kwH/t								
1,000 3,724 0,18 th	industrial water	35×10° &		28			Gas	68,580×10° kca!		7,750	270×10 ³ kcal/t		
1,341.26 1,341.26 1,341.26 1,341.26 1,341.26 1,341.26 1,341.26 1,341.26 1,341.26 1,341.26 1,341.26 1,341.26 1,341.36	Steam	40,000 t		3,734	0.18 t/t		Electricity	22,860×10 ³ kwH		7,955			
(Utilities total)	(Utilities total)			(20,289)		(81.15)	Industrial water	127x10 ⁶ g		- 58	0.5×10 ³ g/t		
Ost total 250.0x10 ² t 460,316 For soles 5			:				(Utilities rotal)			(15,800)		(52.21)	
Out total 250.0x:10 ² t 460,316 For sales For sales													
out total 250.0x 10³ t 460,316 Variable cost total 250.0x 10³ t 450,316 1,841,26 For sales													
cort total 256,0x 10³ t 460,316 1,841.26 Variable cost total 256,0x 10³ t 460,316 1,841.26 For sales													· · · · · · · · · · · · · · · · · · ·
cont total 256,0x 10³ t 460,316 1,841.26 Variable cost total 256,0x 10³ t 460,316 1,841.26 For sales							-						
cort total 256,0x 10³ t 460,316 1,841.26 Variable cost total 256,0x 10³ t 460,316 1,841.26 For sales								····					
ost total 250,0k 10 ³ t 460,316 1,841.26 For sales		· .										·	
ost total 250,0k10³ t 460,316 1,841.26 For sales For sales		:											<u>. </u>
ost total 250.0x10³ t 450,316 1,841.26 Variable cost total 550.0x10³ t 450,316 1,841.26 For sales								. 1					
Ost total 250.0x10 ³ t 480,316 1,841.26 Variable cost total For sales	_												
ost total 250.0x10³ t 450,316 1,841.26 Variable cost total 550.0x10³ t 460,316 1,841.26 For sales													
ost total 250,0x10³ t 460,316 1,841,26 Variable cost total 550,0x10³ t 460,316 1,841,26 For sales	-												
αst total 250.0x 10³ t 460,316 1,841.26 Variable cost total 250.0x 10³ t 460,316 1,841.26 For sales													
ost total 250,0x10 ³ t 460,316 1,841,26 Variable cost total For sales													-
ost total 250,0x10 ³ t 460,316 1,841,26 Variable cost total 250,0x10 ² t 460,316 1,841,26 For sales													.
250.0x10 ² : 460,316 1,841.26 For soles	Watching over they	250 02103+		460.316		1 841 26	Unable and a second	154.0.103.	-	44.		30 073 +	Т.
250,0x10 ⁻¹ 450,315 1,841,26 For sales	The state of the s	1 0140/007		20,00			(810) 100 (010) A (1010)	7.01X0,752		415,581		1,040.3	Т
	For sales	250.0×10° t		460,315		1,841,26	For sales	254.0×10 ³ t		418,681		1,648.35	<u></u>

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ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cast fts./180		Item	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cast Rs./tan
Bloom	276.0x10 ³ t	1,541.19	425,368	 	1,701.47	Gat		773,085x10° kcai	113	87,359		
By-product (scale)	(-) 5.4×10 ³ t	39	Z91 (-)			Industrial water	ater	2,319×10° g	0.743	1,738		
By-product (scrap)	(-) 20.6x10 ³ 1	2,030	(-) 41,818			Electricity	:	3,865x103 kwH	9.348	1,347		·
(By-product total)	((-) 26.0×10 ³ t}		(-) 41,980)		((-) 167.92 }							
						·						
(Material cost)			(383,388)	-	(1,533.55)							
	٠.			<u> </u>	-	· ·						
Roll	375.000 kg	20	7,500	1,5 kg/t	30.00							
Consumables	1	1	6,763		27.05						:	
	:											
Gas	100,000×10° keal		11,300	400x103 kcat/t								
Electricity	29,850×10 ³ kwH		10,318	118.5 kwH/t		Variable cost total	it total	388,543×103 kwH		30,444		0.234
Industrial water	220×10° g		615									
Steam	32,500 t	7.	3,034	0.13 V:								
(Utilities total)			(24,817)		4 99.27 }							
										å	rchase 153	Purchase 153,405 x 103 kwH
						Variable Cost	ible Cost Cost Center: Power Distribution	Distribution	1 0 - MT	đã	vn Gene, 386 stribution 514	Own Gene, 386,543 x 102 kwH Distribution 514 236 x 102 kwH
							ltem	Quantity.	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton
						Purchasad		153,405×103 kwH	0.577	88,515		
	5					0wn		386,543×103 kwH	0.234	90,444		
						(Total)		(539,948×103 kwH.)	(0,331)	(638,871)		
:												
						·						
						·						
				<u>:</u>		:			* ; ·			
Variable cost totai	250.0×10 ⁵ t	1	422,468	1	1,689.87							
For sales	250.0x10 ³ s		427.458		1.589.87	Maciable ages 1000	-	514 725-183 tu		410 010		

# <u>#</u>	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./tan		ltem	Quentity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton
Electricity	4,457×103 kwH	0.348	1,555			Coal		183,349 t	356	58,832		
Consumables			8,000			Stects	Electricity	6,806×10² kwH	0.343	2,368		
				•		- Ille	Filterad water	798×10° 2	0.306	243		: :- :-::::
		:				Steam	r.	80,3521	93,35	7,499		
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	. : :					· · · · · · · · · · · · · · · · · · ·	- * * -					
Variable cost total	10,084×10° 2		7,555		0.749	Varia	Variable cost total	845,612 :		78,942		
82					•		i					
												٠
Variable Cost Cost Center: Filtered Water	tered Water	1.0 — MT	Distribution 9,466 x 10° g	,466 × 10° g		Variab	Variable Cost Cost Center: Oxygen & Nitrogen	an & Nitrogen	1.0 - MT	Generation 84,836 x 10 ³ Nm ³ Distribution 84,031 x 10 ³ Nm ³	1,836 × 10° N 1,031 × 10° N	3°3°
Item	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cast Rr./ton		ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Bs.)	Unit Consumpt.	Unit Cost Rs./ton
Electricity	8,321×10 ³ kwH	0.348	9,466			Electi	Electricity	60,000×103 kwH	0.348	20,880		
						Indus	Industrial water	800×10° 2	0.749	599		
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3. Details of Variable Cost (Step 2, 2.15 MT)

Unit Cost Rs/ton 2.15 -MT Production 2,815.0 x 1,000 ton 50×103 kcal/t 0.5x103 P/t 40 kwH/t 10 kg/t 50 kg/t Unit Consumpt. 783 kg/t 34 kg/t 123 kg/t 122 kg/t 22 kg/t 20 kg/r 44,389) 413,937) 106,935 27 533 946 17,658 66,360 87.556 9,689 3,685 15,310 565,261 248,989 Amount (1,000 Rs.) Unit Price (Rs.) 112.93 191.57 184,51 198.61 156.27 5 422 3,137,1×10³ t} 253.4×103 t 95,7×10³ t 348.4×10° t 62.0x10° t 55.0x103 t 28.7×10° t 112,640×103 kwH 1,408×10⁶ 2 2,816,0×10³ t 140,800×10° kcai 2,204,9×10³ 1 343,6×10" t Quantity Cost Center: Sintering (Material cost total) Variable cost total Industrial water Variable Cost Quick lime fine * Dolomite stone (Utilities total) Mang, ore fine Coke breeze Lima stone Flus dust Electricity · Quartzite Sas Unit Cast Rs/ton I 2.15 -MT Production 4,965,2x1,000 ton Unit Consumpt. 5 kwH/t 1 734,232 } 6,068) 18,720 57,002 9,610 890'9 740,300 51,546 85,816 125,500 10,480 17,513 114,048 9,048 246,949 Amount (1,000 Rs.) Unit Price (Rs.) 200 35 145 13 130 92 155 112 E 142 135 363,0×10³ t 62.4×10° t 343,6×10° t (965,2×10 t) 4,965.2×10³ t 844.8×103-1 88.0×10³ t 52.4×10° t 62.0×10³ t 2,264.9×10° t 95.7×103 t 348.4×101 t 502,0×10³ t 24,826x103 kwH Quantity Cost Center: Material Yard Manganese one tine (Sinter) Dolomite stone (Sinter) Dolomits stone (BOF) High grade one (BF) Low grade one (BF) (Material cost total) Lime stone (Sinter) Ume stone (80F) Variable cost total Quartzite (Sinter) Lime stons (8F) Ore fine (Sinter) (Utilities total) Variable Cost Ora (80F) Electricity

15.76

200.73

147.00 }

37.97

ltem	Quantity	Unit Price (Rs.)	Amount (1,000 fs.)	Unit Consumpt.	Unit Cost Rs./ton		Stem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Uait Consumpt.	Unit Cost Rs./ton
	1,197.0×10 ³ t	675	376,708			* Coke	- 	1,295.0×10 ³ t	981,21	1,271,544	589 kg/t	. :
Cosi (medium)	718.2×10³ t	513	440,257		· <u> </u>	* Sinter	•	2,816.0×10³ t	200.73	565,251	1,230 kg/t	
Cost (blendable)	239.4×10³ t	473	113,235			• H. gra	H. grade ore	363.0×10³ t	143.17	51,972	165 kg/t	
Cosi (Australia)	239,4×10 ³ ,1	1,020	244,188			L. grade ore	de ore	844.8×10³ t	136,12	114,991	384 kg/t	
	(2,394.0×10 ³ 1)	(670.7)	(959'509'1)		(78.31.)	Scrap	Scrap (iron)	30.8×10³ t	1,830	55,384	14 kg/t	
By-ornduct (nas)	() 2 962 529×10 ⁴ kml	13	(-) 334,766			· Lime stone	\$10.10	88.0×10 ² t	191.57	16,858	40 kg/t	
By-product (coak braeze)	(-) 358.7×10³ t	. 225										
By-praduct (others)	: .		919'56 (-)			Other	Other sub-material		1	36,360		
(By-product total)			((-) 522,175)		((-) 362.93)	(Main	(Main & sub material)			(2,174,050)		(18098)
			1 100 100 1		2002	Re-SR	Rv-oroduct (state)	(-) 1,012,0×10³ t	237	(-) 239,844		
(material cost total)				-		200	Sy-product (dust)		69			
	1,568,070×10° kcai		177,192	655×103 kcal/t		Вург	By-product (skull)		1,220			
	62,708×10³ kwH		16,734	28.7 kwH/t		gy-bz	By-product (gas)	(-) 3,420,186×106 kcal	113	(-) 385,481		
	535,256 1		49,262	0.224 1/1								٠.
industrial water	4,309×10° g		2,835	1.8×103 8/1		(By-p	(By-praduct total)			((~) 649,896 }		((-) 285.41 }
	599×10³ Nm³		801	0.25 Nm ³ /t		(Mate	(Material cost total)			(1,464,154)		(885.52)
(Utilities total)			{ 246,252}		171.16 }							
						Electr	Electricity (blawer)	242,000×103 kwH		59,152	110.0 kwH/t	
Absorbent oil	7181	3,027	2,173		1,51	snpuj	indust, water (blower)	33×10 ⁶ g		22	0.15×10 ³ Øt	
						Electricity	ricity	81,400×103 kwH		18,897	37,0 kwH/t	
						Gas		1,635,000×10 ⁶ kcal		185,207	745x103 kcal/t	
						Steam		101,200 t		8,298	0.046 v/t	
					12	Nitrogen	pob	11,000×10 ³ Nm ³		1,981	5.0 Nm ³ /t	
						Indus	Industrial weter	6,150×13° g		4,140	2.8×10 ³ g/t	
Variable not rotal	BF coke		1 111 9/16		975.71	(Delli	(Utilities total)			(279,697)		(127.14)
(screening)	. 2010 Crt.	7.7	1-1 60.787									
Variable nort rotal	-		-		98121							
	1.286 Dx103.1		1 271 644		98121	Hormeta	netal					
						_			_			

item	Quantity	Unit Price (Rs.)	Amount (1,000 Bs.)	Unit Consumpt.	Unit Cost Rs./ton	l tem	Dusntity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton
* Hot matal	2,200×10 ³ t	792.66	1,743,851		808.84	- Hot meral	78.0x10³ t	773.36	58,775		773.36
By-oraclust (iron sezzo)	(-) 37.4×10³ t	1,830	(-) 68,442			Electricity	388×10³ kwH		56	5.0 kwH/t	
8y-product (skull)		1,220				industrial water	15×10* 2		01	0.2×10³ 2/t	
(8y-product total)	((-) 44.0x10 ² t)		((-) 76,494)		((-) 35.48)	(Utilities total)			(105)		(138)
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Variable cost total	2,156.0×10 ³ t		1,667,357		773.36	Variable cost total	76.0×10³ t		58,880		774,74
For BDF (LD)	2,080.0×10³ t		1,608,582		773.36	For BOF (LD)	50.0×10³ t		757 95		47.475
								_	7.3	-	* *

ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.).	Unit Consumpt.	Unit Cost Rs./ton	(ten)	Ouantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton
Lime stone	502.0×10 ³ t		126,537		490.45	* Calomite stone	52.4×10³.t		10,567		480.32
Nitrogen	6x103 Nm3	:	Ŧ-	0.02 Nm ³ /t							
Industrial water	230×10° 2		155	0.8×10 ³ g/t		Electricity	627×103 kwH		153	28.48 kwH/t	
Gar	291,879×10° kcel		32,982	1,017×103 kcal/t		Industrial water	5×10° g		es.		
Electricity	18,655×103 kwH		4,560	65.0 kwH/t		Steam	4,840 t		445	0.22 1/1	
(Utilities tota!)			37,598 }		146.12)	Gar	55,000×10 ⁶ kcai		6,215	2,500×10 ³ kcal	
						(Utilities total)			(918'9)		309,823
Refractory (brick)	861	4 000	344	0.33 kg/t	1.33						
•						Refractory			1,254		57.00

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Heading	1,508,582 932.5 kg/t 38,737 22.5 kg/t		Duantity	(0.1)	Amount	ton.	Unit Cost
Signature 2,000,001° 77,234 38,25,891° 1,500,605.2 322.6,891° 1,500,600.2 1,45,50 1,45,5	1,608,582 932.6 38,737 22.5			(KE.)	13.000 AS.	Consumpr	H\$./10B
Paging P	38,737 22.5	- Malten steel	304.1×10 ³ t	1,327.02	403,545		1,367,35
Communication Contraction							
Countries 171,0x10; t 2,030 247,330 1054,86 1,054,86 1	357,424	By-product (skuil)	(-) 3.0×10 ³ t	1,220	3,660		
	347,130	Transfer of the second			. '		
time 2280,010°1 63790 164,579 11571 kg/t 661,671 6220 9,123 280,09/t 661,071 146,20 9,123 280,09/t 661,071 146,20 9,123 280,09/t 661,071 120,01°1 1300 64,880 2.11,09/t 620,071°1 23,000 154,440 88 kg/t 620,071°1 24,000 154,440 88 kg/t 74,00°1 154,440 88 kg/t	(1,123,6 kg/t) (1 22
deloneis 220-10 ² 146.20 9,123 230.49t par 8.5x10 ² 1 4,007 34,450 3.8 kgt 	164,579 115,7	(מאַ-טונסממני נסנמני	1. next 6		1 (-1 10:04:3)		
220x10 ² 1 845,14 18,537 8.6.kg/t 8.6.kg/t 1.0.20x10 ² 1 7,200 155,440 8.5.kg/t 8.5.kg/t 1.0.2x10 ² 1 7,200 155,440 8.5.kg/t 8.5.kg/t 1.0.2x10 ² 1 7,200 153,10 03.kg/t 1.0.2x10 ² 1 7,200 153,10 03.kg/t 1.0.2x10 ² 1 7,200 153,10 03.kg/t 1.0.2x10 ² 1 7,220 1 1.0.2x10 ²	9,123 28.0						
19.8x10 ² t	18,637 8.6	(Material cost total)	· .		387,503)		(1,313.57)
195x10 ² 13600 15440 68 kg/i	34,450 3.9						
1.5 x 10 x 1	154,440 8.9	Ladle brick	1,357 t	2,077	2,818	4.6 kg/t	
1	64,860 2.1	Sliding nozzie	1771	59,200	10,478	0.6 kg/t	
15x10^2 t 2,584	16,310 0.3	(Refractory total)	· ·		13,298)		(45.07)
(4,026 0.7						:
cr (skull) (-) 25.8x10³ t 2.030 (-) 52.374 cr (skull) (-) 17.2x10³ t 1,220 (-) 40,423 cr (qua) (-) 357,730x10° kcal (-) 40,423 ((-) 51.03) cort total) (4),154x10³ Nm³ ((-) 113,781 ((-) 51.03) cort total) (4,552x10° kcal) (-) 40,423 ((-) 113,781 cort total) (4,552x10° kcal) (-) 113,781 ((-) 51,031 retain 66,888x10° kwH 15,349 20x 10³ kcal/r (-) 42,130 retain 66,888x10° kwH 15,349 30.0 kwHr (-) 4,500 0.3x 10³ gr k 1,100 t 4,400 0.40 kal 0.40 kal 0.40 kal 0.40 kal k 2,223 Bx10° r 2,450 1,164 0.43 kgr 1,227.02 cc 349,5x10° 403,5x6 403,5x6 403,7x9 1,227.02 cc 2,223 Bx10° r 403,5x6 1,227.0	~		79.5	22.200	7.87	0.1 50.6	233
cr (skull) (-) 17.2x10 ² t 1,220 (-) 20,984 cr (qua) (-) 357,730x10 ⁴ keal (-) 113,781) cost total) 147,154x10 ³ Nm ³ 20,056x10 ³ Nm ³ 44,592x10 ⁴ keal 5,039 20x10 ³ keal/t 65,888x10 ³ kwH 15,740 15,740 15,740 17,100 1 4,000 4,400 0,50 kg/t 17,100 1 7,450 195,680 11,19 kg/t 17,101 1,100 1 1,164 0,43 kg/t 17,101 1,164 0,43 kg/t 17,101 1,101	I						} ;
cr (gas) (-) 357,30x10 ⁶ kcai (-) 113,781 ((-) 51,033) Lor total) (147,154x10 ² Nm²) ((-) 113,781 ((-) 51,033) cort total) 147,154x10 ² Nm² 26,456 66.0 Nm²/t ((-) 1213,01) cort total) 20,065x10 ² kwH 3,613 9,0 Nm²/t ((-) 213,01) d 66,888x10² kwH 16,348 30.0 km²/t ((-) 23,30) k 1,100 t 4,000 4,400 0.3x10² gr ((-) 23,30) k 1,100 t 4,000 4,400 0.43 kgr ((-) 20,0 kgr k 2,500 t 7,450 196,580 11.13 kgr ((-) 20,0 kgr k 2,223.6x10² t 1,200 1,164 0,43 kgr ((-) 30,71) mol 2,223.6x10² t 2,356,718 1,327.02 cc 339.0x10² t 463,555 1,327.02 cc 280,4x10² t 345,555 1,327.02	I —	pingu lobu:	1004,0	977	1770*	76×0.77	138.53
147,154x10 ² Nm ²		Bottom plate	1,032.5 t	6,403	919'9	3.5 kg/t	22.43
cost total) 147,154×10³ Nm³ (2,704,527) (1,213,01) 20,056×10³ Nm³ 3,613 9,0 Nm³/r 1,213,01) 44,592×10² kxal 5,039 20×10³ kxal/r 1,504 water. 66,898×10² kxh 450 0,3×10² kr total) 1,1001 4,000 4,400 0,50 kg/r k 2,6401 7,450 196,680 11,9 kg/r k 9701 1,200 1,164 0,43 kg/r cost total 2,229,6×10² r 2,958,718 1,327.02 cost total 3304,1×10² r 463,555 1,327.02 cc 2,80,4×10² r 345,555 1,327.02	(-)						
147.154×10 ² Nm ² 26,496 66.0 Nm ² /t 50.065×10 ² Nm ² Mm ² Mm ² Mm ² /t 66,888×10 ² kval 16,349 30.0 kwH/t 45,82×10 ² kval 15,349 30.0 kwH/t 450 0.3×10 ² kg/t 45,82×10 ² km 1,190 t 4,000 4,400 0.50 kg/t (22.30) Mm ² /t (20.244) 1.19 kg/t (20.244) (20.244) (20.244) (32.30) (3		Electricity	590×10 ³ kwH	* 41 * 42 * 42	7	2.0 kwH/t	
20,086×10² km³ 3,513 9,0 km²/t 44,592×10² km³ 16,349 20x10² kealt 16,349 30.0 kwHi? 45,828×10² kwH 16,349 30.0 kwHi? 450 0.3×10² 2t; 450 0.3×1		Seg	2,350×10 ⁶ kcal		267	3x103 kcal/t	
44,582x10 ⁴ kcal 5,039 20x10 ³ kcal/t 16,249 30.0 kwH/t 16,888x10 ³ kwH 16,349 30.0 kwH/t 16,349 30.0 kwH/t 16,349 30.0 kwH/t 17,100 1 4,000 4,400 0.3x10 ³ g/t 17,100 1 7,450 196,880 11,3 kg/t 17,100 1 1,200 1,164 0.43 kg/t 17,100 1 1,200 1,164 0.43 kg/t 17,200 1,164 0.43 kg/t 17,200 1,327.02 3343,1x10 ³ t 403,545 1,327.02 260.4x10 ³ t 345,555 1,327.02	:_	Охудел	30×103 Nm3		ι ς.	0.1 Nm ³ /t	
66.888x10 ⁴ & 16,349 30.0 kwH/t 689x10 ⁴ & 450 0.3x10 ³ g/t (23.30) 1,100 1 4,000 4,400 0.50 kg/t (23.30) 26,400 1 7,450 196,680 11.9 kg/t (90.71) 370 1 1,200 1,184 0,43 kg/t (90.71) 1 2,223.6x10 ³ t 2,358,718 1,327.02 349,0x10 ³ t 493,565 1,322.02	~	(Utilities total)	·	:	.416)		(1,41)
669×10 ⁶ 2 450 0.3×10 ³ 2t (23.30) 1,100 1 4,000 4,400 0.50 kg/t (23.30) 26,400 1 7,450 196,680 11.9 kg/t (90.71) 1 2,229.6×10 ³ t 2,958,718 (90.71) 304.1×10 ³ t 403,546 1.327.02 260.4×10 ³ t 345,655 1.327.02							
1,100 t 4,000 4,400 0.50 kg/t 23.30 } 26,400 t 7,450 156,800 11.9 kg/t 37.02 370 t 1,200 1,164 0.43 kg/t 30.71 } 1,104 2,225 5x10 ³ t 2,256,718 1,327,02 246,01 1,327,02 260.4x10 ³ t 345,555 1,327,02 1,327,02					•		
1,100 t 4,000 4,400 0,50 kg/t 26,400 1 1,20 kg/t 1,120 1,164 0,43 kg/t (30,71) 2,223,6x10 ³ t 2,958,718 1,327,02 304,1x10 ³ t 453,129 1,327,02 260,4x10 ³ t 345,655 1,527,02							
26,4001 7,450 196,880 11,9,8g/t 1,000 1,00	4,400		• • • •				
9701 1200 1,164 0,43 kg/t (90,71) 2223.5x10 ³ t 2,358,718 1,327,02 349,0x10 ³ t 463,129 1,322,02 260,4x10 ³ t 345,655 1,327,02	196,680						
1 2229.6×10³ t 2,958,718 (90.71) 304.1×10³ t 403,546 1,327.02 349.0×10³ t 463,129 1,327.02 260.4×10³ t 345,655 1,327.02	1,164 0.43						
304.1x.10 ³ t 2,958,718 1,327.02 304.1x.10 ³ t 403,545 1,327.02 349.0x.10 ³ t 453,129 1,327.02 260.4x.10 ³ t 345,655 1,327.02			•				
304.1x10 ³ t 2,958.718 1,327.02 304.1x10 ³ t 403.546 1,327.02 349.0x10 ³ t 453,129 1,327.02 260.4x10 ³ t 345,655 1,327.02			-				
304.1×10³ t 403.546 1,327.02 349.0×10³ t 453,129 1,327.02 260.4×10³ t 345,555 1,327.02							
349.0×10³ t 463,129 1,327.02 260.4×10³ t 345,555 1,327.02	:						
280.4×10³ t 345.555 1,327.02							
		Variable cost total	295.0×10³ t		448 795		1,521,34
For 8T-2 & 3 cc 1,316.1x10 ³ t 1,746,488 1,327.02		_L_				1	Loren mark.

1,327.21) 1,382.22 1,429.03 1,429.03 Unit Cost As./ton Ĵ 2.15 -MT Production 250.0 x 1,000 ton 8x103 kcal/t 0.4x 10° 2/1 10.0 kwH/t 0.4 Nm³/t 5.8 kg/t 6.0 kg/t 0.6 kg/t 4.5 kg/t. 20.0 g/t 100,0 g/t 1.0 Nm⁻/t Unit Consumpt 0.09 kg/t 0.3 kg/t 120 cc/t 0.032 P/t 13,753) 331,802) 20,667) 3,579 } 1,210) 2,150 8,932 3,116 4,275 1,384 357,258 357,258 345,555 4,758 g 8,880 339 583 368 23 53 6 8 2 3,012 Amount (1,000 Rs.) Î 1 ${\mathfrak T}$ Ĵ Unit Prica (Rs.) 1,327.02 = 4 17.4 23,300 61,500 ¢30 2,030 1,220 59,200 2,077 3,800 7,077 4.4×10³ t 3.9×10³ t 2.1×103 t 10.4×103 t) 1,500 t 1,450 t 5,000 kg 250.4×103 t 1,125 t 22.5 t 52 75,000-kg 8,000 P 100×10° 2 250.0×10³ 1 30,000 2 2,500×103 kwH 1,500×10° kcal 100×103 Nm3 250.0×10³ t 150 25×103 Nm3 Quantity 1 Ī I Cost Center: BT-1 cc For Merchant & Bar By-product (skull) By-product (steel) By-product (scale) (Sub-material total) Variable cost total By-product total) (Refractory total) Eeu Castable (Hi-Ai) Nozzle (zircon) Variable Cost Industrial water Fire clay brick (Utilities total) Material cost) Copper mould Sliding nazzla Repessed oil Ladle brick Burnt paddy Molten steel Electricity Ожудел Nitrogen A wire :d LPG Gas 1,326.93) 55.00.} 14.69 } 55.54 } 5.0) 1,401,62 1,382.47 1,401.62 Unit Cost Rs./ton Ţ 2.15 -MT Production 335.0 x 1,000 ton 18×103 kcal/t 1.6 Nm³/t 0.4x103-2/t 0.4 Nm³/t 10.0 kwH/t 5.8 kg/t 0.3 kg/t 4.0 kg/t 2.5 kg/t 0.12 kg/t 0.5 m³/t 120 cc/t 20.0 g/t 0.032 P/t Unit Consumpt. 0.3 kg/t 4,924) 444,521) 18,424 (529') 12,180 18,608 2,783 3,183 2,472 681 469,544 463,129 8,344 5,950 930 \$ 2,881 8 5 469,544 492 187 Amount (1,000 Rs.) Ĩ 1 I I 1,327.02 Unit Price (As.) 5 434/103 4.9 17.4 2,030 1,220 2,077 3,800 61,500 \$30 2,077 4.0x103 t) 5.0x103 t 5.2×103 t 2.8×103 t 100.51 1,340 1 1,943 1 837.5 1 6,700 kg 349.0×10³ t 40.2 t 40,200 8 167.5x103 Nm3 100,500 kg 10,720 P 3,350x 103 kwH 134×10° £ 335.0×10³ t 335.0×10³ t 5,030×106 kcal 337×103 Nm 134×103 Nm3 Quantity Ĵ I I T Cost Center: BL-1 cc Sy-product (skull) Sy-product (scale) Sy-product (steel) (Sub-material total) (Material cost rotal) (By-product total) Variable cost total Refractory total) For bioaming mill Variable Costt Nozzle (zircon) Castable (Hi-Ai) Industrial water Fire clay brick Copper mould Sticking nozzle Utilisties total) Repessed on Molten steel Sumt paddy Ladle brick Electricity Nicrogen Oxygen A wire - <u>5</u> . 20 S

82.67

14,31)

4.84)

55.01)

Production 603.0 x 1,000 ton 30,311) 418,484) 4,033) 465,445 } 724-3,280 29,843] 917,776 30,044 4,050 26,029 3,652 422,042 402,778 81,285 448,795 469,544 11,671 267 162 Amount. (1,000 A±) Ĵ I Ī Ĵ Ţ Î 2.15 -MT Uait Price (Rs.) 1,401.62 1,521,34 2,030 ස 2,030 2 믕 23.7×103 t) 271.3×10³ t) 331.7×10³ t) 3.3×103 t} 8.9×103 t 14.8×103 t 2.0x103 t 335.0×10³ t 36,180 kg 14,942x103 kwH 241×166 g 603.0×103 t 7.3×10³ t 1.3×10³ t 230,348x10⁶ kcsi 276.0×10³ t 295.0×10³ t 264.0×10³ t 55.7×103 t Quantity Cost Center: Blooming Mill I Ĵ I Ĵ I For billet mill (fram ingot) For No. 2 New Bar (from BL-cc) For No. 2 New Bar (from ingot) For HSM (from BL-cc) By-product (scrap) By-product (scale) By-product (scale) Syproduct (scrap) (By-product total) Variable cost total (By-product total) Tem Industrial water Variable Cost (Material cost) (Material cost) (Utilities total) Cast bloom Consumables ingot steel Electricity 등 Gas 1,330.82) 49.13 } 15.94) 44.37) 4.77 1,375.18 1,400.66 1,400.66 1,400.66 Unit Cost Rs./100 ĵ 2.15 -MT Production 1,270.0 x 1,000 ton 6x103 kcal/t 0.4×10³ g/t 1.0 Nm³/t 10.0 kwH/t 0.4 Nm³/t 0.2 kg/t 5.0 kg/t 3.1 kg/t 0.3 m³/t 20.0 g/t 0.032 P/t 5.8 kg/t 0.05 kg/r 0.3 kg/r Unit Consumpt. 120 cc/t 1/6 001 58,345) 62,391) 6,061) 31,871 24,156 318 1,890,143 } 20,247 1 13,189 3,905 14,961 2,959 1,746,488 15,299 15,037 2,070 1,722 10,922 1,867 3,104 34 2,296 229 91 1,778,842 861,408 917,434 70, Amount (1,000 At.) I Ĵ I Unit Price (Rs.) 1,327,02 5,434/103 4.9 133 23,300 2,030 1,220 2,077 430 59,200 3 800 61,500 2,077 19.8×10⁵.t 10.6×10³ t 46.1×10³1) 7,366 t 254 € 8,350 t 3,937 t 1,316.0×103't 15.7×10³ t 63.5 t 25,400 kg 127-t 381,000 kg 381×102 Nm3 152,400 8 40,640 P 12,700x103 kWH 508×106 2 20,320×10⁶ keal 1,270.0x103.t 615.0×10³ t 655.0x103 t 1,270×103 Nm3 508×103 Nm3 Quantity IIII Cost Center: BT-2 & 3 cc By-product (skull) By-product (scale) By-product (steel) For No. 2 New Bar For No. 1 New Bar (By-product total) (Sub-material cost) (Refractory total) Variable cost total iten Castable (HI-AI) Nozzla (Zircon) Industrial water Variable Cost Fire clay brick (Utilities total) (Material cost) Siding nozzle Copper mould Moltan steel Burnt paddy Rapessed oil Ladle brick Electricity A wire Rittogen Oxygen Tips 633

111.72))

1,654.23 >

Unit Cost Rs/ton

Unit. Consumpt

1,542.52))

1,415.57)

12,36 >> 1,403.21 3)

3

85. 44.

0.05 kg/t

382×103 kcel/t 24.78 kwH/t 49.48)

1,598.64 1,458.34

1,522,02 1,598,64 1,459.34

Variable Cost

Variable Cost

Cost Center: Merchant & Bar By-product (scale) By-product (scrap) (By-product total) Variable cost total E Billet (BT-1CC) Industrial water (Material cost) (Utilities total) Consumables Electricity Steam For Sales (Total) Billet Roll S. 97.13 1,594.42) 7.84) 1,691,55 3,75 1,615,45 1,515,45 1,515.45 Unit Cost Rt./ton. ĵ 2.15 -MT Production 249.5 x 1,000 ton 0.4×103 2/t 0.15 kg/t 26.5 kwH/t Unit Consumpt. 24,235) 397,807) (255) 24,157 919'1 <u>×</u> 422,042 936 17,770 385,285 403,055 Amount (1,000 Rs.) 1 I I Unit Price (Rs.) 1,598.64 33 2,030 52 11.9×10³ t 14.5×103 t) 264.0x10³ t 2.6x10³ t 37,425 kg 249.5×10³ t 508×10° 2 11.0x10° t 238.5×10³ t 6,612×103 kwH Quantity Ī I I Cost Center: Billet Mill By-product (scale) By-product (scrap) (By-product total) Variable cost total For Sales (billet) E (Naterial cost) industrial water (Utilities total) For Merchant Consumables Electricity Bloom Boll ⊟

2.15 -MT Production 250.0 x 1,000 ton 400×103 kcal/t 60.1 kwH/t 8.22 kg/t Unit Consumpt. 0.15 5/1 375,028 } 11,930 363,098 } 11,300 18,675 3,673 11,774 3,675 17,770 357,258 156 1,540 23 5,325 Amount (1,000 Rs.) Ĩ JJ Unit Price (Rs.) 1,615,45 1 429.03 2,030 8 8 250.0x103 t 5.8x103 t 5.2×103 t 11.0x10.11 261.0×10³) 11.0×10³ t.) 55,000 kg 40×10° 2 40,000 t 15,025×103 kwH 100,000×106 kcal Guantity I I 1

21.30

5,16

14.78]

1,554.55

1,554,55

388,638

388,638

250.0×10³ t

250,0×10³ t

1,452,39 }

47.72)

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1,5002,11,

Unit Cost Rs/ton

- 836 -

ible Cost	Cost Center: No. 1 New Bar 2.15 –N
Variable (Cost

1,411,78)

8.40

((-) 31.63)

1,443.41)

Unit Cost Rs/10n

52,85 }

1,494,33

							-		:				
ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	3.5	Unit Consumpt.	Unit Cast Rs./19n		ltam	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton
Blacm	276.0x10 ³ t	1,459.34	3	402,778		1,118,1		Gas	2,083,586×10 ⁴ kcal	113	235,445		
By-product (scale)	(-) 5.4×10 ³ 1	33	Ĵ	162				Industrial water	6,251×10° 2	0.672	4,202		
8y-product (scrap)	() 20.6×10³ t	2,030	1	41,818				Electricity	10,418×103 kwH	0.244	2,544		
(By-product total)	((-) 26.0×10 ³ t)		<u>.</u>	41,980 }	•	((-) 167.92)	12.1						
(Material cost)			36(360,798 }		1,443.19)	- -		·				-
-				-									٠.
Roll	375,000 kg	50		7,500	1.5 kg/t	30.00							
Consumables	1	1	w	6,763		27.05			·				
•							· · · · · · · · · · · · · · · · · · ·						
Gass	100,000×10 ⁶ kcal		-	11,300	400×10 ³ kcal/t								-
Electricity	29,650×103 kwH			7,247	118.5 kwH/t			Variable cost total	1,041,793×10 ³ kwH		242,191	- 100	0.232
Industrial water	220×10 ⁴ ℓ			148									
Steam	32,500 t		74	2,986	0.13 1/t			. •					
(Utilities total)	-		(21	21,681)		. 86.	86.73 }						
					-	-							
			•					Variable Cost		•	a ć	Purchase 0	44 793×103 trait
		:					*.	Cost Center: Power Distribution		2.15 -MT	រីជី		990,843×10³ kwH
					,			lte.n	Quantity	Unit Price (Rs.)	Amount (1,000 Rr.)	Unit Consumpt.	Unit Cost Rs./ton
					***************************************			Purchasad	C		0		
		-	•		-			Own	1,041,793×103 kwH	0.232	242,151		
					•		·	(Total)	(1,041,793×103 kwH)	(0.232)	(242,191)		
			-							· ·			:
		:			<u> </u>		•						-
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		-											
		.:			• • •								: :
					·		-						
Variable cost total	250.0×10 ⁻ p		396	395,742	:	1,586.97							
Foresla	100 0 000						Γ			7 7 7 7			

Item	item Quantity	Unit Price	Amount Unit	Unit	Unit Cost	<u>.</u>	ltem Quantit	Duantity	Unit Price	Amount		-
		(48.)	7'S4-DD0'13	Consumpt.	A\$,/tgn	.J.				(1,000 ns.)		Consumpt
Electricity	10,132×10° kwH	0.244	2,472				Electricity	129,000x10° kwH		31,476		
Consumables			12,900				Industrial water	1,720×10° P	0.572	1,156		
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Variabla cost total	22.873×10° 2		15,372		0.572	1:	Variable cost rotal	181 229×103 Nm3		32 832	1_	
						_]					1	
		-										
			-									
Variable Cost						S _a	Variable Cost			g	ener	ation 82
Cost Center: Filtered Water	ed Water	2.15 -MT	Distribution 9,409×10° g	,409×10° g			Cost Center: Steam		2.15 -MT	Δ.	istri	Distribution 786,994 t
meti	Quantity	Dait Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton		ltem	Quantity	Unit Price (Rz.)	Amount (1,000 Bs.)		Unit Consumpt.
Electricity	8,270×10 ³ kwH	0,24¢	2,018			L	Coal	179,676 t	356	53,965		
							Electricity	6,325×103 kwH		1,543		
							Filtered water	739×10° P		es un		
•										3		
-							Steam	72,198 t	88.	5,641		
					Name of States o							
			-									
		·	-			•						
76-2-4-4	0 40006		0			_1_					_	
CONTINUE CONTINUE	0 - 1 - 0 - 1 - 0 - 1 - 1 - 1 - 1 - 1 -											

4. Details of Full Cost
(Step 1, 1.0 MT)

	ai rain	1,0 - 541 c	1,0 -341 Froduction 2,354.5 X 1,000 ton	איטיין איטיי							
Itam	Quantity	Unit Price	- Amount (1,000 Rs.)	Unit Consumpt.	Unit Cast Rs./ton		ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.
Ore fine (Sinter)	1,052.4x10³ t	11.2	117,869				*Ore fine	1,052.4×10³ t	150.49	158,377	783 kg/t
Manganese ore fine (Sinter)	45,7×10³ t	183	8,363				Mang, ore fine	45.7×10³ t	245.89	11,237	34 kg/t
High grade ore (BF)	173.3×10³ t	142	24,609	٠.			- Lime stone	165.3×10³ t	255.30	42,201	123 kg/t
Low grads ora (BF)	403.2×10³ t	135	54,432				* Dajamite stone	164.0×10³ t	262.91	42,970	122 kg/t
Ore (80F)	32.0×10³ t	145	4,640				* Ousrtzite	29.6×10³ t	208.28	6,165	22 kg/t
Line stone (Sinter)	165.3×10 ³ t	190	31,407				Flue dust	26.3×10³ t	25	1,762	20 kg/t
Line stone (B.F.)	42.0×10³ t	190	7,980				Quick lime	13.3×10³ t			10 kg/t
Line stone (80F)	233.0x10² t	250	58,250				(Material cost total)	(1,497.3×10 ³ t)	<u> </u>	(262,712)	
Dolomite stone (Sinter)	154,0×10³ t	195	31,580								
Dolomite stone (80F)	23.8×10³ t	500	4,760				Coke braeze	121,0x10 ³ t	422	51,062	90 kg/r
Quartite (Sinter)	29,6x10³ t	155	4,588								
(Material cost total)	(2,364.3×10³)		348,878)				Ges	67,200×10° kcal	-	8,536	58x103 kcal/t
					<u></u>		Electricity	53,760×103 kwH		32,578	40.0 kwH/t
Electricity	11,822×103 kwH		7,164	5.0 kwH/t			Industrial water	671×10° R		1,262	0.5×103 g/t
(Utilities total)			7,1641	· · · · · · · · · · · · · · · · · · ·			(Utilities total)			(42,435)	
						• .					-
(Variable cost total)			(355,042)				(Variable cost total)			(355,210)	
							Labour cost			2,813	
Labour tost			1312				Labour (Rep. & maint.)			6,474	
Labour cost (Rep. & maint.)			3,896			<u></u>	Fixed material coxt			16,767	٠.
Fixed material cost			11,656				Dapra, & interest			87,211	
Dagre, & interest			57,026							:	
Overhead enp.			11,738				Overhead exp.			±08'21	
Traffic axp.			25,658				Traffic oxp.		. ,	l	
(Fixed cost total)			(112,735)				(Fixed cost total)			(131,169)	
						· · · · · · · · · · · · · · · · · · ·			·		
						·					

31.57 !

265.03 }

97.60)

362.63

135.47 }

Unit Cost Rs./ton

37.59

- 843 -

		The Paris			1000 000			_		- Froit	Unit Cost
ltem	Quantity	(Rr.)	(1,000 Rs.)	Consumpt.	SE/ton	ltem	Quantity	(Rz.) ()	(1,000 Rs.)	Consumpt.	Rs./ton
Cost (prime)	665.5×10³ t	5/9	449,213				672.0×10 ³ t	1,305.02	876,974		
Cost (medium)	399.3x10³ t	513	244,771			* Sinter	1,344.6x10³ t	362.63	487,379		
Coal (blendable)	133.1×10 ³ t	473	52,356			" H grade ore	173.3×10³ t	190.80	33,066		
Coal (Australia)	133.1×10³ t.	1,020	135,762			* L. grade ore	403.2×10³ t	181.40	73,139		: :.
(Coal total)	(1,331,0×10 ³ 1)	(670.7)	(892,702)		(1,126.87)	Scrap (iron)	14.7×10³ t	1,830	26,901		
						Lime stone	42.0×10³ t	255.30	10,722		
By-product (gas)	(-) 1,463,776×10° kcal		(-) 165,407			Other sub-material			17,640		
By-product (coks brasze)	(-) 198.1×10³ t	422	(-) 83,538			(Main & sub-material)			1,525,821)		(1,453.18)
By-product (others)		· · · · · ·				8y-product (slag)	(-) 493.5×10 ³ t	237 (-)	116,960		
(By-product total)	-		((~) 295,720)		((-) 373.29)	By-product (dust)	(-) 26.3×10³ t	(-)	1,762		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					By-product (skull)	(-) 7.8×10³ t	1,220 (-)	9,516		-
(Material cost total)			(596,382)		753.58	By-product (gas)	(-) 1,757,220×10 ⁶ kcal	113	138,566		
Absorbent oil	3391	3,027	1,208			(By-product total)		<u> </u>	326,804)		((-) 311.24 }
25	859,826×10* kcal	113	97,160	646×103 kcal/r	,	(Material cost total)	1		1,189,017 }		(1,141.92)
Electricity	35,937×10 ³ kwH		21,777	27.0 kwH/r		Electricity (blower)	115,500×103 kwH		188,89	110.0 kwH/t	110.0 kwH/t
Steam	612,2601		62,580	0.461 t/t		Indust, water (blower)	16×10° 2		93	0.015×10³ Ør	
Industrial water	1,331×10° Q		2,502	1.0×10³ 8/1		Electricity	40,850×102 kwH		24,815	39.0 kwH/t	
Nitragen	333×10 ³ Nm ³		468	0.25 Nm³/t		# B	646,800×10° kcal		82,736	616x10 ³ kcal/t	1
(Utilities total)			184,467)		232.85)	Staam	48,300 t		4,335	0.046 Ut	
(Variable cost total)			(781,449)		986,431	Nitrogen	5,250×10 ³ Nm ³		7,386	5.0 Nm³/r	
Labour cost			9.828			Industrial water	3,150×10° 2		5,920	3.0x10 ³ g/t	
Labour cost (Rep. & maint.)		 -	38,450			(Utilities total)			185,813.}		(186.49)
Fix ed material cost		:	47,065			(Variable cost total)			1,394,830)		(1,328.41)
Depre, & interest			67,103			Labour cost		-	6,225		
Overheed exp.			17,579			Labour cost (Rep. & maint.)			20,753		
Traffic exp.			22,430			Fixed material cost			51,409		
(Fix cost tets!)			(182,453)		(230.31)	Dapre, & intorest			239,685		
Full cost total	8F cake 792,2×10³ t		963,902		1,216,74	Special repair			20,300		
By-product (screening)	(-) 79.2×10³ t		(-) 33,422			Overhead exp.			49,149		
Full cost total	713.0×10 ³ t		930,480		1,305.02	Traffic enp.			18,623		
For8F	672.0x103 t		876.974		1,305.02	(Fixed cost total)			406,144)		386.80 }
Forsales	41.0×10³ t		53,506		1,395.02	Full cost total	1,050.0×10³ t		1,800,574		1,715.21
							:				

tem	Quantity	Unit Price (As.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton	(tem	Quantity	Unit Price (Rs.)	Amount (1,600 Rs.)	Unit Censumpt.	Unit Cast Rejton
. Hot metal	1,050.0x103 t	1,715.21	1,300,974		1,750.22	* Hot metal	82.5×10 ³ r	1,714.71	107,341		1,714.71
			•								
By-product (iron scrap)		1,830				Electricity	313x10" kwr		DB1	5.0 kwH/T	
٠.		1,220				Industrial water	12×10° g		ន		
(By-product tatal)	{ (-) 21.0×10³ t}		((-) 36,539)		((-) 35.51)	(Utilities total)			(213)		(3.41)
						(Variable cost total)			(107,554)	*.	{ 1,718:12 }
								:	i.		
	•					Labour cost		:	334		
						Labour (Rep. & maint.)			351		
•						Fixed material cost			1,048	•	
						Depre, & interest			1		
						Overhead exp.			126		
				<u> </u>		Traffic exp.			2,280		
						(Fixed cost total)			4,140 }		(66.13)
				-							
				<u> </u>	<u>-</u>						٠.
						· 					
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									٠		
	-										
Full cost total	1.029.0×10³ t		1.764 435		171471	Full cost total	67 5×10 ³ t		111 694		36 986 1
For BOF (LD)	966.4×10³ t		1,657,094		171471	For 80F (LD)	23.3×10 ³ t		41.577		30 387 6
						1					57.40/1
For cold pig	62.6×10° t		107,341		171471	FOT 53 85	39.3×10' t		101 07		

Full Cost	, <u>.</u>	0 1.43	and 000 to 0 000 to 0000 to 000 to 00	404 000 1 20			Full Cost Cost Center: Dolomíte	ţ	TWI	1.0 - MT Production 10.0 x 1 000 top	x 1 000 ton	
ביים ביים ביים ביים ביים ביים ביים ביים	Quantity	Unit Price	Amount	Uait	Unit Cost		item	Quantity	Unit Price	Amount	Unit	Unit Cost
		- HS./	(1,000 คร.)	consumpt.	101/30	1			Tall 1	(1) non us.)	Constant	TOT I TO
"Lima stocke	233.0x10³t	335.92	78,269		652,24		• Dolomite stans	23.8×10³ t	268.74	6,396		639.50
Nitrogen	3×103 Nm3		4	0.02 Nm ² /t	·							
Industrial water	106.0×10° 2		199	0.8×10 ³ g/t			Electricity	285×103 kwH		173	28.48 kwH/t	
Ger	135,261×10° kcal		17,302	1,017×103 kcal/t			industrial water	3×10 ⁶ g		τρ		
Electricity	8,645×103 kwH		5,239	65.0 kwH/t			Steam	2,200 t		225	0.22 t/t	
(Utilities total)			(22,744)		(189.54)		Gar	25,000×10 ⁶ kcal		3,198		
							(Utilities total)			3,602)		(360.29)
Refractory (brick)	401	4,000	160	0.33 kg/t	1.33							
			-				Refractory			570		57.90
(Variable cost total)			(571,101)		(843.11)							
							(Variable cost total)			(10,568)		1,055.80)
Labour cost	-		634		٠							<u>-1</u>
Labour cost (Rep. & maint.)			1,503				Labour cox			423		
Fixed material cost		·	4,497				Labour cost (Rep. & maint.)			326		
Deprie. & interest			20,257				Fixed material coxt			974		
Overhead exp.			4,127				Depre, & interest			46		
Traffic exp.			. 1				Overhead exp.			147	•	
(Fixed cost total)	· .		(810,18)		(258.48)		Traffic exp.			1		
							(Fixed cost total)			(316.)		191,60 }
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		1										
Full cost total	120.0×10³ t		132,191		1,101,59		Full cost total	10.0×10³ r		12,484		1,248,40
Far 80F (LD)	120.0×10³ t		132,191		1,101.59		For BOF (LD)	10.0x10³ c		12,484		1,248.40
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	r: Basic Oxygen Furnace (1)
•	nter: Basic Oxygen Furnace
•	Center: Basic Oxygen Furnace
15	ost Center: Basic Oxygen Furnace
Cost	Cost Center: Basic Oxygen Furnace (1)
Full Cost	Cost Center: Basic Oxygen Furnace (1)

				_	_					
(tem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton	Item	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.
* Hot metal	\$65.4×10³ :	1,714,71	1,657,094	932.5 kg/t		Labour cost			5,616	
• Cold pig iron	23.3×10³ t	1,784.25	41,573	22.5 kg/t.		Labour cost (Rep. & maint.)			9,111	
Scrap (return)	168.4×10³ t	1,877	318,094	158.6 kg/t		Fixed material cost			29,817	* .
Scrap (purchase)	6.3×10² t	2,030	12,789			Depre, & interest			124,437	
(Main material cost)	(1,164,4×10° t)		(2,027,550)	(1,123.7 kg/t)	(1,956,53)	Overhead exp.		-	36,915	
* Burnt lima	120.0×10³ t	1,101.59	132,191	115.8 kg/t		Traffic exp.			11,106	· ·
eo.	32.0×10³ t	194.84	6,235	30.9 kg/t		(Fixed cost total)		-	(217,003)	· .
* Burnt dolomite	18.0×10 ² t	1,248.40	12,484	9.7 kg/t		:				*.
Fluospar	4.04103 1	4,007	18,028	3.9 kg/t						
Ferro-manganesa	8.8×10³ t	7,800	68,540	8.5 kg/t	•					
Ferro-silican	1,5×10³ t	13,800	20,700	1,4 kg/t						
Alminium	0.2×10³ t	23,300	4,580	0.2 kg/t						
Coke (breeze)	0.7×10³ t	2,684	1,879	0.7 kg/t						
(Sub-material)	(177.2×10³ t)		(262,817)		253.61)			•		
By-product (steel scrap)	(-) 12.0×10³ t	2,030	(-) 24,360	•			•			
8y-product (skull)	(-) 8.0×10³ t	1,220	9,750	:						
By-product (gas)	(-) 166,202×10* kcal		(-) 18,780		·.	-			:	
(By-product total)			((-) 52,900)		((-) \$1.05 }					
(Moterial cost total)			(2,237,467)	:	2,159.09 }					
Oxygen	68,396×103 Nm3		96,227	66.0 Nm ³ /t						
Nitrogen	9,327×10 ³ t		13,123	9.0 Nm³/t					-	
Gas	20,726×10° kcal		2,652	20x 103 kcal/t					,	
Electricity	31,089×10 ³ kwH		18,839	30.0 kwH/t						
Industrial water	311×10° 8		585	0.2×10 ³ g/t						
(Utilities total).			(131,426)		126.83					
Main brick	520 t	4,000	2,080	0.50 kg/t	•					
Furnace brick	12,300 t	7,450	91,635	11.9 kg/t						
Ladie brick	450 t	1,200	540	0.43 kg/t						
(Refractory total)			(94,255)		(90.25)	Full cost total	1,036.3×10 ³ t		2,580,151	
						For ingot casting	531.0×10 ³ t		1,373,309	
(Variable cost total)			(2,463,148).		2,376.87)	For BL-1 cc	297.0×10³ t	٠	768,122	
					_				_	

2,586.27 2,586.27 2,586.27 2,586,27

209,40 }

Unit Cost As/Ion

(1,000 Ra.) Consumpt. 158,122 (-) 16,353 (-) 72 (-) 5,490 (-) 15,915 (-) 15,915 (-) 15,915 (-) 15,915 (-) 2,082 (-) 3,433 (-) 2,082 (-) 2,083 (-) 2,082 (-) 15,915 (-) 15,915 (-) 15,915 (-) 15,915 (-) 15,915 (-) 15,915 (-) 15,915 (-) 15,915 (-) 15,915 (-) 15,915 (-) 10,0 kwH/t (-) 15,915 (-) 10,0 kwH/t (-) 1,727 (-	1,2586.27 2,586.27 2,030 1,220 30 30 2,077 3,800 61,500 61,500 11,3 4.9	297.0x10³ t (-) 5.1x10³ t (-) 4.5x10³ t (-) 2.4x10³ t (-) 1.2.0x10³ t 1,140 t 712.5 t 85.5 t 114x10° t 114x10° t 5,120x10² t 114x10° t 114x10° t 114x10° t 114x10° t 114x10° t	* Molten steel By-product (steel) By-product (steel) By-product (scale) (By-product total) (Material cost total) Ladie brick Stiding nozzle Fire clay brick Cartable (Hi-Al) Nozzle (zircon) (Rapaseed oil Copper mould Al wire Burnt peddy Tips (Sub-material total) Electricity Industrial water Gas Oxygen Nitrogen (Utilities total) (Variable cost total) Labour cost Exad material cost Gowenead superest Gowenead superest Catallice stora	Unit Cost Ra./ton 2,566.62 2,566.62 2,611.89 2,53 35.52 45.07 (2,239 2,239 (2,	Consumpt. 4.6 kg/t 0.6 kg/t 2.0 kg/t 3.5 kg/t 2.0 kwH/t 8x10 ³ kcat/t 6.1 Nm ³ /t	(1,000 Rs.) (1,000	Unit Price (R5.) 2,586.27 1,220 2,030 2,030 6,206 6,408 6,408	631.0x10 ² t (-) 5.3x10 ² t (-) 10.7x10 ³ t (-) 16.0x10 ³ t 11,330 t 1,030x10 ³ kwH 4,120x10 ⁴ kcal 52x10 ³ Nm ³	* Molten steel By-product (steel) By-product (steel) By-product total) (material cost total) (material cost total) Al-thot Al-thot Igot mould Bortom plate (total) Electricity Gas Oxygen (Utilities total) (Variable cost total) (Variable cost total) Labour cost Choure cost Choure cost Choure cost Choure at total) Traffic exp. Traffic exp.
46,395)	,	285.0×10 ³ t	(Full cost total)	2,866.12		1,476,054		515.0×10³ t	Full cost total
46,995))		(Fixed cost (otal)						
6,188			Overhead exp.	· · · · · · · · · · · · · · · · · · ·	•				
28,076			Bopre, & interest						
5,968			Fixed material cost	<u> </u>					
2,125	-		Labour cost (Rep. & maint.)	(45.48)		(23,426)			(Fixed cost total)
2,373			Labour corr			1,685			Traffic exp.
775,470.)			(Variable cost total)			3,035			Overhead exp.
3,400 j			(Offilities total)			47°'C			רפטופי אי יטופופזו
3,400)			(Utilities total)			13,324			Depre. & interest
160		114×103 Nm3	Nitragen			2,242		:	Fixed material cost
246	·	420×10 Nm	OXYGER			995			ריינים מני ניסינו (עופלי כא ווויפיטר)
642	-	456×10 ² Nm ³	Охуавь		:	386		-	Labour cost (Reo. & maint.)
557		5,130×10° kcal	Gas	-	• .	2,154			Labour cost
214		114×10° 2	Industrial water						
1,727		2,850×103 kwH	Electricity	(2,820.54)		(1,452,528.)			(Variable cost total)
4,189			(Sub-material total)	(2.39)		(1,225)			(Utilitias total)
159	17.4	9,120 P	Tips		0.1 Nm ³ /t	73		52×10 ³ Nm ³	Oxygen
413	6.4	85,530 kg	Burnt paddy		8x103 kcat/t	528		4,120×10° kcal	Gar
1		-	Al wire		2.0 kwH/t	624		1,030x10 ³ kwH	Electricity
2,451	430	5,700 kg	Copper moutd						
386	11.3	34,200 8	Rapaseed oil	(161.29)		(83,068)			(total)
174	5,434/103	142.5×103 Nm3	547	22.43	3.5 kg/t	11,554	6,408	1,803,1	Bortom plate
15,874 }			(Refractory totel)	136.53	22.0 kg/r	70,314	8,208	11,330 1	lagot mould
2,103	91,500	34.2 €	Nozzie (zircon)	2.33	0.1 kg/t	1,200	23,300	51.5 t	Al-shot
2,708	3,800	712.5 t	Castubie (Hi-Al)		4,				
2,358	2,077	1,140 t	Fire clay brick	(45.07)		(23,213)			(Refractory total)
5,062	59,200	85.55 t	Stiding nozzle	35.52	0.6 kg/t	18,293	59,200	309.1	Stiding nozzle
3,433	2,077	1,853 t	Ladle brick	9.55	4.6 kg/t	4,920	2,077	2,369 1	Ladle brick
752,207			(Material cost total)						
	=		(By-product total)	(2,611.89)		(1,345,122)		-	(material cost total)
			By-product (scale)					:	By-product total)
							2,030		By-product (steel)
							1,220		By-product (skull)
758,122	2,586.27	297,0±10³ t	* Molten steel	2,565.62		1,373,309	2,586.27	531.0×10³ t	* Molten steel
Amount (1,000 Rs.)-	Unit Frice (Rs.)	Quantity	ltem	Unit Cost Rs./ton	Uoit Cansumpt.	Amount (1,000 Rs.)	Unit Price (Rs.)	Quantity	ltem
				_					

164.88) 2,885.84 2,885.84

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Unit Cost Rs./ton 2,695.16 55.0)

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Item	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton	· 	wazi	Quantity		Unit Price (Rs.)	Amount (1,000 Rs.)	Uait Consumpt.	38	Unit Cost Rs./ton
* Moltan steel	208.3×10³ t	2,586.27	538,720		2,693.60		*Ingot steel	515.03	515.0×10³ t 2,8	2,866,12	1,476,054		~	3,114.04)
8y-product (steel)	(-) 3.5×10³ t	2,030	501'1 (-)			<u>. </u>	By-product (scale)	(-) 15.4x	15.4×10³ t	30	(-)			
By-product (skull)	(-) 3.1x10 ³ t	1,220	(-) 3,782				By-product (scrap)	(-) 25.6x	25.5×10³ t 2,0	2,030	896'15 (-)			
8y-product (scale)	(-) 1.7x10 ³ t	ន	(-)		·		(By-product total)	((-) 41.0x	41.0x10 ³ t)	-	((-) 52,430)		€	110.61))
(By-product total)	({-} 8.3x10 ³ t)		((-) 10,938 }		((-) 54.69)		(Material cost)	(474.0x	474.0x10 ³ t.)	_	1,423,624 }		×	3,003.43)}
(Material cost total)			(527,782)		2,638.91)	_								
Ladle brick	1,150 τ	2,007	2,409	5.8 kg/t			* Cost bloom	285.05	285.0×10 ³ t 2,8	2,885.84	822,465		~	2,916,54)
Sliding nozzía.	1021	59,200	7,104	1/gx 8,0			By-product (scale)	(-)	<u></u>	30	(-)			
Fire clay brick	1,200 t	2,077	2,492	6.0 kg/t		:	By-product (scrap)	(-)		2,030	(-) 3,654			
Castable (Hi-Al)	300 t	3,800	3,420	4.5 kg/t		· ·	(By-product total)	3.0)	3.0×10³ r		((-) 3,690)		<u></u>	13.08 >
Nozzie (Zircon)	181	61,500	1,107.	0.09 kg/t			(Material cost)	(282.0)	282.0×10³ t]		818,7751		×	2,903.46 >)
(Refractory total)			(16,532)		82.56)	<u> </u>			· · · · · ·					
241	1		1	-			Roll	52.5	52,920 kg	20	850'1	0.07 kg/t		1.40
Repessed oil	24,000 8	11.3	172	120 051			Consumable		***	i	4,113			5.44
Copper mould	4,000 kg	430	1,720	20 g/t	****									
Al wire	20.0 t	23,300	466	100 g/t			Går G	334,908x10° kcal	je kcal	- <u></u>	42,841	443x103 kcal/t		
Sumt paddy	50,000 kg	9,	294	0.3 kg/t			Electricity	18,734×10° kwH	kwH	•	11,353	24.78 kwH/t		
Tps	6,400 P	17.4	==	0.032 P/t			Industrial water	302,	302×10 ⁶ 2	·	999			
(Sub-material total)			(2,862)		(14.31)		(Utilities total)		<u>. </u>	<u></u>	54,762)		<u></u>	72.44)
Electricity	2,000×103 kwH		1,212	10.0 kwH/t			(Variable cost total)		· •		2,302,332)		· 	3,045,41.)
industrial water	80×10° 2		150	0.4×103 Øt										
Gas	3,600×106 kcal		461	18×10 ³ kcal/t			Labour cost	-	<u>.</u>		3,066		:	
Охудел	20×103 Nm3		28	0.1 Nm ³ /t			Labour cost (Rep. & maint.)	:			12,694			
Nitrogen	80×10 ³ Nm ³		E1	0.4 Nm ³ /t			Fixed material cost				31,322		٠.	
(Utilities total)			(1,964)		(8.82)		Dopre, & interest	<u>-</u>			45,427			
Labour cost			1,666				Overhead exp.			-	11,277			
Labour corr (Rep. & maint.)			2,056		:		Traffic axp.				4,634			
Fixed material cost			9,876											
Depru. & interest			28,559				(Fixed cost total)				103,420 }			143.41
Overhead exp.			056'5											
Traffic oxp.		:	87.4		~							·		
(Fixed cost total)	•		(44,981)		(224.91)									
							Full cost total	756.0	756.0x10 ³ t		2,410,752			3,188.83
Full cost total	200.0×10 ³ r		594,121		2,970.61		For billet mill	480.0	480.0×10³ t		1,547,935			3,224.85
For No. 1 New Bar														

Full Cost	3	} ~	000 to 300 to 30	8 v 1 000 tot		Full Cost Cost Center: Sheet Mill	Aill	1.0 -MT	Production 10	Production 100.0 × 1,000 ton		
Loss Center: Dines Will	Quantity	Unit Prite	Amount	Unit	Unit Cost 80 fron	item	Quantity	Unit Price	Amount (1,000 Bs.)	Unit	Unit Rs/	Unit Cost Rs/ton
* 517	+ 6010 001	20 202 0	1 547 675		3 412 55	*Sheet bar	127.0×10³ t	3,454,41	438,710		4	4.387.10
Espaid	¥	00.5.3.40										
By-product (scale)	(-) 4.8×10 ⁻¹ t	8	144	i		By-product (scale)		3				
By-product (scrap)	(-) 21,6x10 ³ t	2,030	(-) 43,848			By-product (scrap)	(~) 26.5×10³ t	2,030	(-) 53,785	-		
(By-product total)	$((-) 26.4 \times 10^3 t)$		((-) 43,992)		((-) 66.98)	(By-product total)	((-) 27.0×10³ t)		((-) 53,810)		<u>(</u>	538.18 }
(Material cost)			(1,503,943)		(3,315.57)	(Material cost)		,,,,,,	(384,900)		ee	3,849.00)
Roll	68,040 kg	25	107,1	0.15 kg/t	3,75	Roil	265,000 kg	20	5,300	2.65 kg/t		53.00
Consumables			4,282	1	3.44	Consumabler		Ι,	420	1		4.2
Electricity	12,020×10 ³ kwH		7,284	26.5 kwH/t		Zeg	140,000×10 ⁶ Kcai		17,508	1,400×10 ³ kcal/t		
Industrial water	327×10° 2		615			Electricity	20,110×10 ² kwH		12,186	201.1 kwH/t	·	· .
(Utilities total)			(658'2		(17.42)	Industrial water			1			
						Steam	30,000 t		3,065	0.3 t/t		
(Variable nost total)		:	1,517,825)		(3,346.18)	(Utilities total)		,	(33,159)			331.58)
Labour cost	<i>*</i>		3,050		<u> </u>	(Variable cort total)			(423,779.)		· •	4,237.79)
Labour cost (Rep. & maint.)			5,938									
Fixed meterial cost			12,597			Labour cost			12,775			·
Depre. & interest			5,452			Labour com (Rep. & maint.)			8,071			
Overhand exp.			2,561			Fixed material cost			4,916			
Traffic exp.			19,297		**** ¢ \	Opre. & interest			4,379			
				-		Overhead exp.			4,649		٠.	<u>. </u>
(Fixed tost total)	-		(49,095)		(108.23)	Traffic exp.		•	5.484	::		
		**-										
		:	-			(Fixed cost total)			(41,274)			412.74)
Full cost total	453.6×10³ t		1,566,920		3,454.41							
For sheet bar	127.0×10 ³ t		438,710		3,454,41							
For merchant	261.0×10 ³ t	- !.	301.600		3,454,41	Full cost total	100.0×10³ t		465,053		.4	4,650.53
For No. 1 New Bar	50.0×10³ t		207,265		3,454.41	For galvanized sheet	38.0×10³ t		139,516		*	4,650.53
Forsaes	5.8×10³ t		19,345		3,454.41	For sales (black sheet)	70.0×10³ t		325,537		*	4,650,53
		-		4								

Bisck theet Spettse Spettse By-product (line dross)	Cuantity	Vait Price				-		Unit Price	Amount	Itail	11-11 624
* Black theet Spetter By-product (tinc dross)		(8s.)	Amount (1,000 Rs.)	Unit Cansumpt.	Unit Cost As./ton	ltem	Quantity	E.	(1,000 Rs.)	Солзитрт	Ra/ton
Spetrar By-product (kine dross)	30.0×10³ t	4,550.53	315,851		4,650.53	* Billet	261.0×10³ t	3,454,41	901,600		3,505.40
Spetter By-product. (kinc dross)									•		
By-product. (zinc dross)	2,452.51	29,500	72,349	81.75 kg/t	2,411.63	By-product (scale)	(-) 5.2x10 ³ t	8	953 (-)		
By-product. (zinc dross)			•			By-product (scrap)	(-) 5.8×10 ³ t	2,030	(-) 11,774		
	() 2701	19,000	(-) 5,130			(By-product total)	{ {-} 11.0x10³ t}		((-) 11,930)		((-) 47.72)
By-product (akimming)	1881	2,600	(-)		•						:
(8y-groduct total)	ŧ		((-) 5,619)		((-) 187.29)	(Materiel cort)			(079,688)	- 1	3,558,68 }
				- 1							
Consumables	1		720		24.00	Roll	55,000 kg	28	1,540	0.22 kg/t	5.16
						Consumables	1		5,325	١	21.30
Industrial water	160×10 ⁶ 2	,	301		10.03						
(Utilities total)			(301)		(10.03)	Gas	100,000×10° kcal		12,792	400×103 kcal/t	-
	,					Electricity	15,025×103 kwH		9,105	60.1 kwH/t	
(Variable cost total)		-	(207,267)		(06.808.90)	industrial water	35×10° 2		98		٠
						Steam	40,000 t		4,088	0.16 v/t	
Labour cort			12,887			(Utilities total)			(26,051)		(104.20)
Labour (Rep. & maint.)			6,720								
Fixed material cost			1,045			Labour cost			4,485		
Depre, & interest						Labour cost (Rep. & maint.)			6,416		
Overhead exp.			3,614			Fixed material cost			12,719		
Traffic axp.			1,092			Dapra, & interest			10,390		
					<u> </u>	Overhead exp.			3,920		
(Fixed cost total)	•		(25,362)		(845,40)	Traffic exp.		· · · · ·	10,262		
	-					(Fixed cost total)	4		(48,172)		192.69 }
						-		,			
Full cost total	30.0×10³ t		232,629		7,754.30	Full cost total	250.0×10³ t		970,758		3.883.03
For sales	30.0×10³ t		232,629		7,754.30	For scales	250,0x10 ³ t		970,758		3.883.03

Cost Center: No. 1 New Bar	New Bar	1.0 -MT	1.0 –MT Production 25	254.0 × 1,000 ton		Г	Cost Center: Heavy Structural	Structural	1.0 -MT	Production 25	Production 250.0 x 1,000 ton	
(tem	Quantity	Unit Price (Rs.)	Amount (1,000 As.)	Uņit Cansumpt.	Unit Cost Rs./ton		Item	Quantity	Unit Price (Rs.)	Amount (1,000 Bs.)	Unit Consumpt.	Unit Rs/
* Cast billet (8 TCC-1)	200.0×10³ t	2,970.61	584,121				- Bisom	275.0×10 ³ t	3,126.15	862,817		
Billet	60.0×10³ t	3,454.41	207,265		-	· ·	By-product (scals)	() 5.4×10 ³ ;	30	(-) 162		
(Total)	{ 280.0×10 ³ t}		(801,386)		(3,155.05)		By-product (scrap)	(-) 20.6×10³ t	2,030	(-) 41,818		
							(By-product total)	((-) 26.0×10³ t.)		((-) 41,380)		<u>;</u>
By-product (scals)	(-) 2.6×10³ t	30	(-)									
By-product (scrap)	(-) 3.4×10³ t	2,030	(-) 6,502				(Material cost)			(820,837)		-
(By-product total)	((-) 8.0x10 ³ t)		(1-) 6,980)		((-) 27,48 }							
•			:				Roil	375,000 kg	50	7,500	1,5 kg/t	
(Material cost)			784,408)		3,127.58 }	-	Consumables	.	-	5,783	1	
			•			-		٠.				
Roll	76,200 kg	28	2,134	0.3 kg/t	8.40		Gås	100,000×10° kcal		12,792	400×103 kcal/t	
Consumables	1	1	5,410		21,30		Electricity	29,550x103 kwH		17,967	118.5 kwH/t	
							Industrial water	220x10° &		414		
Gas	68,580×10 ⁴ kcal	-	8,773	270x103 kcal/t		- -	Steam	32,500 t	· · ·	3,321	0.13 vt	
Electricity	22,860x103 kwH		13,853	90.0 kwH/t			(Utilities total)			34,494)		- -
Industrial water	127×10° 2		239	0.5×10 ³ gr								
(Utilities total)			(22,865)		(90.02 }		(Variable cost total)			869,594		· ·
			-		-							
(Variable cost total)			1 824,815 }		3,247.30)		Labour cost			5,580		
			-				Labour cost (Rep. & maint.)			8,468		
Labour cost			4,175				Fixed material cost	*		20,399		
Labour cost (Rep. & maint.)			12,558				Depre, & interest	1		12,631		: "
Fixed material cost			31,296				Overhead exp.	<u>.</u>		5,102		•
Dapre. & interest			147,595				Traffic exp.		:	11,842		
Overhead exp.	4		30,288									•
Traffic exp.			9,882				(Fixed cost total)			(65,022)		
									,			
(Fixed cost total)			(235,794)		(928.33)			,				-
Full cost total	254.0×10³ t		1,060,609		4,175,63		Fuil cost total	250,0×10³ t		334,615		
For scales	254.0×10³ t		1,060,609		4,175,63		For sales	250.0×10 ³ 1		934,616		

137.98)

3,478,38)

Unir Cost Rs./ton 3,451.27 3,282,35)

30.00

167.92 }

3,738,46

250.08)

Full Cost Cost Center: Gas		1.0 -MT	Generation 3,400, 1.0 –MT Distribution 3,387,	3,400,268×10° kcal 3,387,198×10° kcal	(ය) (ය)	Full Cost Center: Power Plant.).	1.0 –MT	Ger	neration 386,	Generation 386,543×10° kwH
ltem	Quantity	Unit Price (Rs.)	Amount. (1,000 Rs.)	Unit Consumpt.	Unit Cost Rx./ton	item	Quantity	Unit Price (As.)	Amount (1,000 Rz.)	Uair Consumpt.	Unit Cost Rs./ton
ng	3,387,198×10° kcal	113	382,753		113.00	Gas	773,085×10 ⁶ kcal		068.86		
						Industrial water	2,319×10° 2		4,361		
Labour cost			1,089			Electricity	3,855×103 kwH	909.0	2,343		
Labour cost (Rep. & maint.)			3,548		:	(Variable cost total)			105,594 }		(0.273)
Fixed material cost			509'6								
Depre. & interest			36,288			Labour cost			3,193	· :	
Overhead axp.	:					Labour cost (Rep. & maint.)			962'9		
Traffic exp.			1			Fixed meterial cost			15,582		
(Fixed cost total)			(50,528)		14.92)	Dopre. & interest			71,475		e e
						Overhead exp.		*	1		
	:					Traffic exp.					. *
					•	(Fixed cost total)		•	36,646 }		(0.250)
Full cost total	3,387,198x10° kcal		433,281		127.92	Full cost total	386,543×10 ³ kwH		202,240		0.523

Full Cost			Purchase Own Generation	153,405×10³ kwH 386:543×10³ kwH	o ^s kwH o ^s kwH
Cost Center: Power Distribution	Distribution	1.0 -MT	Distribution		03 kwH
ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Մոււ Сәոբսաքւ	Unit Cost Rs./tea
Purchased	153,405×10 ³ kwH	0.577	88,515		
Own	385,543×103 kwH	0.523	202,240		
(Variable cost total)	(539,948×10 ³ kwH)	(0.538)	(280,755)		(0.565)
Labour con		-	724		
Labour cost (Rep. & maint.)	-		1,345		
Fixed material cost			3,489		
Depre. & interest			15,292		
Overhead exp.			1		
Traffic exp.			.		
(Fixed cost total)			(20,864)		(0.041)
Full cost 10tal	514.236×103 tunh		211 610		60 5
(PIO) teor tio	3/4,430A1U AWR		210,15		909.0

Full Cost Cost Center: Industrial Water	iał Water	1.0 -MT	Distribution 10,084×10° g	0,084×10° g		Full Cost Cost Center: Steam	E	1.0 -MT	Gen	Generation 883 Distribution 845	883,875 t 845,612 t	
iten Ten	Quantity	Unit Price (Rs.)	Amount (1,000 As.)	Unit Consumpt.	Unit Cast As,/tan	ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Rr.)	Unit Consumpt.	Unit Cost Rs/100	
Electricity	4,467×103 kwH	908.0	2,707			Coal	183,348 t	355	68,832			
Consumables			000'9			Electricity	6,305×10 ³ kwH		4,124			
(Variable cost total)			(8,707)		(0.863)	Filtered water	796×10° g		738			
:						Steam	80,352 t	102.18	6,210			
Labourcon			688			(Variable cost total)			(81,904)		(98.36)	
Labour cost (Rep. & maint.)			1,090			Labour cost			Ì		-	
Fixed material cost			2,588			Labour cost (Rep. & maint.)	7		1,127	:		÷
Depre, & interest	·.		5,707			Fixed material cost			3,373	-		
Overhead exp.			L			Depre. & interest			1			
Traffic exp.			1			Overhead exp.			ı			
(Fixed corr total)			(10,252)		(710.1)	Traffic exp.						
	:					(Fixed cost total)	· · · · · · · · · · · · · · · · · · ·		(4,500)		(28'3	
Full cost total	10,084×10° g	-	18,959		1,880	Full cost total	845,612 t		86,404		102.18	
Full Cost						H. C.						
Cost Center: Filtered Water	Water	1.0 -MT	1.0 -MT Distribution 9,466x10° g	466×10° g		Cost Center: Oxygen & Nitrogen		1.0 -MT	Gen Dist	Generation 84,836×10°Nm² Distribution 84,031×10°Nm³	136×10° Nm² 131×10° Nm²	
Item	Quantity	Unit Price (Rs.)	Amount (1,000 Bs.)	Unit Consumpt.	Unit Cost Rs/ton	item	. Quantity	Unit Price (Rs.)	Amount (1,800 Rt.)	Unit Consumpt.	Unit Cost Rs./ton	
Electricity	8,321×103 kwH	909'0	5,042		0.533	Electricity	60,000×10³ kwH		36,359			
						Industrial water	800×10 ⁶ g		1,504	-		
Labour cost			578			(Variable cost total)			(37,363)		(0.451)	
Labour cost (Rep. & maint.)		·····	377									
Fixed material cost			1,524			Labour cost			1,120			
Dapra. & Interest			853			Labour cost (Rep. & maint.)			4,308			
Overhead exp.						Fixed meterial cost			13,677	1		
Traffic exp.						Depra, & interest			959'09			
(Fixed cost total)			3,730)		(0.394)	Overhead exp.			1			
			-			Traffic exp.			ı			
				1		Fixed cost total)			80,361)		(9560)	
Full cost total	9,465×10° g		8,772	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.927	Full cost total	84,031×10³ Nm³		118,224		1,407	

5. Details of Full Cost (Step 2, 2.15 MT)

173.11) 26.03) 237.11.) 86.60) 323.71 37,97 Unit Cost Rs./ton 2.15 -MT Production 2,816.0 x 1,000 ton 50×103 kcal/t 0.5×103 2/t 90 kg/t 40 kwH/t Unit Consumpt 783 kg/t 34 kg/t 123 kg/t 122 kg/t . 22 kg/t 20 kg/t 10 kg/t 487,477) 657,702 } 243,868) 73,290) 17,014 169,910 911,570 106,935 54,529 5,923 24,439 20,823 78,255 79,665 11,426 3,685 1,747 3.742 39.854 Amount (1,000 Rs.) 293 623 Unit Price (Rs.) 217.59 231.85 184,29 133.17 225.91 62 422 2,816,0×10³ t 95.7×10³ t 348.4×10³ t 62.0×10³ t 28.7×10³ t 3,137.1×10³ 1) 1,408×10° 2 2,204,9×10³ t 55.0×10³ t 140,800×10* kcal 343.6×10³ t 253.4×103 t 112,640×103 kwH Quantity. Cost Center: Sintering Labour (Rep. & maint.) (Material cost total) (Variable cost total) Fixed material cost (Fixed cost total) Ospre, & interest Egg. Industrial water (Utilities total) Overhead exp. Dolomite stone Full cost total Mang, ore tine Labour cost Traffic oxp. Coke breeze Lime stone Quick lime Electricity Quartzite Flue dust Full Cost · Ora fine Š Unit Cost As./ton 2.15 -MT Production 4,965.2 x 1,000 ton 5.0 kwH/t Unit Consumpt. 126,753] 12,018 } 746,250 } 32,975 873,003 734,232) 9,389 12,018 15,400 63,575 10,480 9,610 1,847 17,513 51,548 114,048 9,048 65,835 16,720 125,500 67,002 3,567 246,949 Amount (1,000 Rs.) Unit Price (Rt.) 355 8 8 250 355 200 15 8 7 135 145 62.0x103 t 4,965.2×103 t 343.5×10³ t 363.0×10³ 1 844.8×103 t 346.4×10³ t 62.4×103 t 88.0×10².1 502.0×10³ t 52.4×103 t 4,965,2×10³ t) 24,826×103 kwH 2,204,9×10" t 95.7×10° t Cost Center: Material Yard Labour cost (Rep. & maint.) Manganese ore fine (Sinter) Dolomite stons (Sinter) Dolomite stone (80F) (Material cost total) (Verisble cost total) Fixed material cost Low grade one (3F) High grade one (BF) Quantitie (Sinter) Line stone (Sinter) Depre, & interest Line stone (BGF) (Fixed cost total) On fine (Sinter) Line stone (8F) <u>=</u> (Utilities total) Overhead exp. Full cost total Traffic exp. On (80F) Labour cost Electricity Full Cost

ВРсоке	2.15 -MT Production 1438.8 x 1,000 ton
	2.15 -M
Full Cost	Cost Center: Coke Oven

ğ		* Coke	* Sinter	* H. grade	* C. grade	Scrap (in	* Lime sto	Other sub	(Main &	8y-produ	8y-produ	By-produ	By-produ	(By-prod	(Material	Electricit	indust. w	Elactricit	Gas	Steam	Nitrogen	Industria	(Utilities	(Variable	Labour c	Labour	Fixed ma	Dapre, &	Special re	Overhead	Traffic ec	(Fixed co	-
lon	Unit Cost Rs./ton			-		(1,115.97)					((-) 362,93 }		(753.04)	151						196.55)		-					- -	(356.17)	1,317.27		1,415,91	1,415,91	:
reduction 1438.8 x 1,000	Unit Consumpt.					-									655x103 kcal/t	28.7 kwH/t	0.224 t/t	1,8×10 ³ g/t	0,25 Nm ³ /t		.:								-				
reguerion i	Amount (1,000 As.)	807,975	440,257	113,236	244,188	(959'808'1)		(-) 334,766	(-) 151,793	(-) 35,616	((-) 522,175)		(1,083,481)	2,173	189,490	33,261	54,101	5,336	610	(282,798)	(1,368,452)	12,309	17,162	111,661	311,952	46,465	27,280	(526,829)	1,895,281	(-) 80,262	1,835,019	1,835,019	
2. 13 -iVi	Unit Price (Rs.)	675	613	473	1,020	(670.7)		133	422		·			3,027		:					:								1	422	J	1	
Jven	Quantity	1,197,0×10 ³ t	718.2×10³ t	239.4×10² :	239,4×10³ t	(2,394.0×10³ t)		(-) 2,962,529x10* kcal	(-) 359.7×10³ t					7181	1,568,070×10° kcal	68,705×10 ³ kwH	536,2561	4,305×10* g	599×103 Nm3										BF coke 1,438,8×10 ³ t	(-) 142.8×10 ³ t	1,296.0×10 ³ t	1,296.0×10³ t	
Cost Center: Coke Oven	item	Cost (prims)	Coal (medium)	Cost (blendable)	Coal (Austratia)	(Cost total)		By-product (gas)	By-product (coal braeze)	By-product (others)	(By-product total)		(Material cost total)	Absorbant oil	Gas	Electricity	Steam	Industrial water	Nitrogen	(Utilities total)	(Variable cost total)	Labour cost	Labour cost (Rep. & maint.)	Fixed material cost	Dapre, & interest	Overhead exp.	Traffic exp.	(Fixed cost total)	Full cost total	8y-product (screening) (coke breeze)	Full cost total	For BF	10000

327.313 235.41) 174,411 1,268.41 } 1,389.40) 1,093.99) 1,595.72 Unit Cost Rs./ten Ĵ 2.15 -MT Production 2,200.0 x 1,000 ton 0,015×10³·g/t 745×103 kcal/t 110.0 kwH/t 37.0 kwH/t 2,8×10° £/t 40 kg/t 5.0 Nm³/L 1,280 kg/t 165 kg/t 384 kg/t 14 kg/t 589 kg/t 0.046 t/t 117,163 2,790,495) 3,056,584) ... 383,708) 239,844 3,685 19,886 ((-) 649,896) (2,405,788) 39,405 10,210 57,853 720,087) 3,510,583 386,481 198,061 11,199 7,629 8,331 18,507 117,678 25,064 19,888 36,950 451,954 49,600 911,570 61,283 135,603 56,364 1,835,019 Amount (1,000 Rs.) I I I Ţ, Unit Price (Rs.) 168.84 1,415.91 323.71 150,51 225,91 1,830 1,220 113 237 67 (-) 3,420,185×10° kcal 16.3x10³ t 2,816,0x10³ t 363.0×10³ t 844.8×10³ t 30.8×10³ t 88.0×10³ t 101,200 t 6,150×10° g 1,296,0x10³ t 1,012.0x103 t 55.0x103 t 242,000×10³ kwH 33×10° 2 81,400×103 kwR 1,639,000×10⁶ kcai 2,200×10³ t 11,000×103 Nm3 Cost Center: Blast Furnace (1) ĵ Ĩ cost (Rep. & maint.) tub-material) water (blower) suct (skull) Suct (dust) e cost total) ity (blower) al cost total) naterial cost ub-material luca (slag) duct (gas) duct total) & interest cost total) !tem ial water Stotal) 3d exp. egb. st total 503 94.07 repair e 0re 910 8 iran)

item	Quantity	Unit Price (Rs.)	Ameunt (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton	- i.	ltem		Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt	Unit Cost Rs:/ton	
	2,200×10³ t	1,595.72	3,510,583		1,62	1,628.29	• Hat metal		76.0×10³ t	1,582.81	121,053		1,592.80	£8.
8y-product (iron scrap)	•••			-		· ·	Electricity		388×103 kwH		188	5.0 kwH/t		1
By-product (skull)		1,220	8,052		17/2	28 75	Industrial water	····	15×10° g		5 .gg	0.2×10³ 2/r		· §
(8y-product total)	1 () 44,0x16 t)	 					יין מעווענופג נפנשון				7 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A		7	2.73
		· · · · · · · · · · · · · · · · · · ·		-			(Variable cort total)				(121,260)		1,595.53	23
							a short rott				337			
		بعسيرين					בפרותתו בסיי		-		† ?			
							Labour (Mep. & maint.)				150			
-		- -		··			Case Riceral Con				ngy'i			
							Uepre, & interest	_			l .			
							Overhead exp.			****	98			
				· · ·		•	Traffic 8xp.				2,358			
		<u></u>	···········				(Fixed cost total)		•	İ	4,158)		. 254	54.71
		.							-					
								·						
					. :			<u></u>						·
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				£.										
	.:					-								
Full con total	2,156.0×10 ³ t	1 69	3,434,089	ø.	1,5	1,592.81	Full cox total		75.0×10³ t		125,418		1,650.24	24
For BOF (LD)	2,080.0×10³ t	103 t	3,313,036	g.	1,5.	1,592.81	For 80 F (LD)		50.0×10³ t		82,512		1,650.24	24
	_							-	-					-

Full Cost Cost Center: Burnt Lime	Lime	2.15 -MT	2.15 –MT Production 258.0 x 1,000 ton	1,0 × 1,000 ton		Full Cost Cost Center: Dolomite	. •	2.15 -MT	Production 22.0 \times 1,000 ton	1× 1,000 ton
теш	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost As./ton	ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.
Lime stone	502.0×10 ³ t	297,25	149,221		578.38	* Dotomitu stone	52.4×10³ t	237.81	12,451	
Nitragen	6x10³ Nm³		ω	0.02 Nm ³ /t						
Industrial water	230×10° 2		285	0.8×10³ 2/t		Electricity	627x103 kwH		304	28,48 kwH/t
28 C)	291,879×10* kcal		35,271	1,017×10 ^{3,} kcal		Industrial water	5×10° 2		40	1
Electricity	18,655×103 kwH		9,031	65.0 kwH/t		Steam	4,840 t		483	0.22 t/t
(Utilities total)			(44,593)		(172.84)	Gas	55,000×10* kcal		6,646	2,500×10 ² kcai
						(Utilities total)			(7,444)	
Refractory (brick)	36 t	4,000	344	0.33 kg/t	1.33					
						Refractory			1,254	
(Variable cost total)			194,158)		(752.55)					-
						(Variable cost total)			(21,159)	
Labourcost			742							
Labour cost (Rap. & maint.)			964			Labour cost			484	
Fixed material cost			8,039			Labour cost (Rep. & maint.)			137	
Oepra, & interest			30,067			Fixed material cost			1,163	
Overhead exp.			4 324			Depre. & interest			46	
Traffic exp.						Overhead exp.	=		35	
(Fixed cost total)	··		(44,136)		(70.171)	Traffic exp.				
						(Fixed cost total)			(226'1	
			,							
									:	
										-13
-										
	:									-
-										
								:	:	:
Full corr total	258.0×10³ t		238,294		923.62	Full cost total	22.0×10³ t		23,691	
For 80F (LD)	258.0x10 ³ t		238,294		923.62	Far 80F (LD)	22.0×10³ t		23,091	7
T		1								

961.77)

57.00

87.82 }

1,049.59

338,38)

Unit Cost Rs./ton \$66.41

Full Cost Conter: Basic Oxygen Furnace ⁽¹⁾ 2.15 –MT Production 2,229.6 x 1,000 ton

-		200000000000000000000000000000000000000			-				
	item	Quantity	Unit Frice (Rr.)	Amount (1,000 Rs.)	Consumpt.	Unit Last Rs./ton	; e	ا	item
	* Hot metal	2,080.0×10³ t	1,592.81	3,313,036	932.6 kg/t				Labour cost
	* Cold pig iran	50.0×10³ ;	1,650.24	82,512	22.5 kg/t		<u></u>		Labour cost (Re
	Scrap (return)	204.8×10 ³ t	1,745	357,424	,,,,				Fixed material o
-	Scrap (gurchase)	171.0×10³ t	2,030	347,130	1/6v C 001				Dears, & interm
	(Main material cost)	(2,505.8×10 ³ t)		(4,100,102)	(1,123.6 kg/t)	8'1	1,838.94 }		Overhead exp.
	• Bernt lime	258.0×10³ t	923.62	238,294	135.7 kg/t		:		Traffic exp.
	**O.	62.4×10 ³ t	172.40	10,758	28.0 kg/t				(Fixed cost tota
	* Burnt dalomite	22.0×10³ t	1,049.59	23,091	9.6 kg/t				
	Fluorpar	8.5×10³ t	4,007	34,460	3.9 kg/t		·		•
	Ferro-manganesa	19.8×10³ t	7,800	154,440	8.9 kg/t				
	Ferro-silican	4.7×10 ³ t	13,800	64,860	2.1 kg/t		•	•	
	Alminium	0.7×10³ 1	23,300	16,310	0.3 kg/t		•		
	Coke (breeze)	1.5×10³ t	2,684	4,026	0.7 kg/t				
	(Sub-material)	(377.7×10³ t }	•	(546,239.)		7	244.99 }		
	By-product (steel scrap)	(-) 25.8×10 ³ .t	2,030	(-) 52,374					•
	By-product (skull)	(-) 17.2×10 ³ t	1,220	() 20,984					
	By-product (gas)	(-) 357,730×10° kcal		(-) 40,423					:
	(By-product total)		····	((-) 113,781)	•	<u> </u>	51.03)		
	(Material cost total)			(4,532,560)		1 2,0	2,032.90)		
	Oxygen	147,154×103 Nm3		149,812	66.0 Nm ³ /t				
	Nitrogen	26,086×103 Nm3		20,429	9.0 Nm³/t				•
	28.0	44,529x10 ⁶ kcal		5,389	20x103 kcal				
	Electricity	66,883×103 kwH		32,380	30.0 kwH/r		÷		
	Industrial water	639×10° 2		828	0.3×10 ³ g/t				
	(Litilities total)			(208,839)			93.67)		
	Main brick	1,100 t	4 000	4,400	0.50 kg/t				
	Furnace brick	26,400 t	7,450	196,580	11.9 kg/t				
	Ladia brick	9701	1,200	1,164	0.43 kg/t				Full cost total
	(Refractory total)			(202,244)			90.71)		For ingot castin
	· .								For BL-1 cc
	(Variable cost total)			(4,943,643)		2,3	2,217.28)		For BT-1 cc
									For BT-2 & 3 ca

127.55 } 2,344.82 2,344.82 2,344.82 2,344,82 2,344.82 Unit Cost Rs_/ton Cost Center: Basic Oxygen Furnace (2) 2.15 -MT Production 2,229.6 x 1,000 ton Unit Consumpt. 284,378 } 33,791 44,568 176,307 15,834 5,228,021 713,061 818,344 610,592 3,086,024 7,428 5,650 Amount (1,000 Rs.) Unit Price (Rs.) 304.1×10³ t 349.0×10³ t 2,229.6×10³ t 260.4×10³ t 1,316.1x103 t Quantity Rep. & maint.) al con (Fig. 벋 g ដ

Full Cost Cost Center: Ingot Casting	Casting	2.15 -MT		duction 29!	Production 295.0 x 1,000 ton	E	Full Cost Cost Center: BL-1 co	g	2.15 -MT	Production 3	Production 335.0 x 1,000 ton	ton	
ltem	Quantity	Unit Price (Rs.)	<u> </u>	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs./ton	ltem	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Rs/ton	
* Molten steel	304.1x10 ³ t	2,344.82		713,061		2,417.15	* Molten steal	349.0×10 ³ t	2,344.82	818,344		2,442.81	2.83
8y-product (skull)	(-) 3.0×10 ³ t		Ţ	3,660			By-product (steel)	() 6.0x10³ t	2,030	(-) 12,180			
By-product (steel)	(-) 6.1x10 ³ t		<u> </u>	12,383			By-product (skull)	(-) 5.2×10 ³ t	1,220	[-] 6,344			•
(By-product total)	((-) 9.1×10³ 1.)		Ī	16,043)	-	((-) 54.38)	By-product (scals)	(-) 2.8×10 ³ t	ຂ	(_) 84			
(material cost total)	-			697,018)		(7,362.77)	(By-product total)	(() 14.0×10 ³ t		(809'81 ())		(-) 28°	55,54)
		• .					(Material cost (otal)		•	(789,736)		(72,787,27)	(22)
Ladia brick	1,3571	2,077		2,818	4.6 kg/t	,	Ladle brick	1,9431	2,077	4,036	5.8 kg/t		
Sliding nozzle	1771			10,478	0.6 kg/t	:	Sliding nazzla	100.5 t	59,200	5,950	6.3 kg/t	-	
(Refractory total)	•	.		13,296)		(45.07)	Fire clay brick	1,340 t	2,077	2.783	4.0 kg/t		
			·-				Castable (Hi-Ai)	837.5 t	3,800	3,183	2.5 kg/t	• .	
Al-shot	29.5 t	23,300		687	0.1 kg/t	2.33	Nozzle (zircon)	40.2 t	61,500	2,472	6.12 kg/t		
Ingot mould	6,490 t	8,206	-	40,277	22.0 kg/t	135.53	(Refractory total)	·		(18,424)		(55	55.00}
Bottom plate	1,032.5 t			6,618	3.5 kg/t	22.43	7.66	167,5x103 Nm3	5,434/103	910	0.5 m ³ /t		
(total)							Rapeseed oil	40,200 2	11.3	454	120 cc/t		
	,						Copper mould	6,700 kg	130	2,881	20.0 g/t		
Electricity	590×103 kwH			286	2,0 kwH/t		Alwira		1	1	1		
Ga	2,360x10° kcal			286	8x103 kcal/t		Burnt paddy	100,500 kg	4,9	492	0.3 kg/t		
Oxygen	30x103 Nm3			6	0.1 Nm³/t		Tips	19,720 P	17.4	187	0.032 Pft		
(Utilities total)			~	603		(. 2.04)	(Sub-material total)			(4,924)		*	14,69)
(Variable cost total)				758,497 }		(2,571.18)	Electricity	3,350×10 ³ k wH		1,622	10.0 kwH/r		
		. :					industrial water	134×10° 2		156	0.4×10 2/1		
Labour cost			· ·	2,195			Gas	6,030×10 ⁶ kcel		728	18×103 kcal/t	•••	
Labour cost (Rep. & maint.)				402			Охудеп	337×10³ Nm³		343	1,5 Nm ³ /t		
Fixed material cost				2,826			Nitrogen	134×10 ³ Nm ³		136	0.4 Nm ³ /t		
Depre. & interest		· -		13,324	-		(Grilities total)			(2,985)		80	8.951
Overhead exp.		-		2,167			(Variable cost total)			(828,079)		(2,465.91)	
Traffic exp.				937	•		Labour cost			1,247			 ;
(Fixed cost total)			_	21,851)		(74.07)	Labdur cost (Rep. & maint.)			931			
							Fixed material cost		٠.	7,163		· .	
		:					Depre. & interest			29,087			
							Overhead exp.		·	4,255		· .	
							Traffic exp.			1,441			
							(Fixed cost total)			(44,124)		(131	131.71)
Full cost total	295.0x10 ¹ t		<u> </u>	780,348	 ,	2,645.25	(Full cost total)	335.0×10 ³ t		870,203		2,587,62	7.62
For blooming mill	295.0×10³ t			780,348		2,645.25	For blooming mill	335.0×10³ t		870,203		Z9'165'Z	7.67
],											

Full Cost

Full Cost

655.0×10³ t Quantity Cost Center: BT-2 & 3 CC JJJJ Labour cost (Rep. & maint.) 3y-product (skull) By-product (scale) (Variable cost total) By-product (steel) Fixed material cost For No. 1 New Bar For No. 2 New Bar (Sub-material cost) (By-product total) (Refractory total) Depre. & interest (Fixed cost total) . EEEL Cattable [Hi-At] Nozzle (Zircon) Industrial water (Utilities total) Copper mouth Overhead exp. Materiel cost) Fire clay brick Full cost total Repessed oil Sliding nazzle Maiten steel Ladie brick Surnt paddy Labour.cost Electricity Охудил Nitrogen 5 <u>ت</u> 82.67) 14,31) 8.02) 170,56) 55.01) 2,492,36 } 2,387.36] 2,662.92 2,662.92 2,442.37 Dair Cost As./100 2.15 -MT Production 250.0 x 1,000 ton 18x103 kcal/t 0.4×103 g/t 1/6 0.001 10.0 kwH/t 1,0 Nm³/t 0.4 Nm³/c 5.8 kg/t 6.0 kg/t 4,5 kg/t 20.0 g/t 6.3 kg/t 0.032 P/t 0.6 kg/t 120 cc/t 0.09 kg/t Unit Consumpt 42,641) 623,090) 3,579) 20,667 } 2,005) 13,753) 596,839 } 1,210 7,035 28,571 4, 137 1,070 665,731 685,731 3,012 8,880 384 583 363 133 124 544 102 931 897 338 Amount (1,000 Rs.) 610,592 Ī ${\mathfrak J}$ I Unit Price (As.) 2,344.82 4 17.4 1.3 23,300 2,077 430 2,030 59,200 3,800 61,500 1,220 2,077 2,1x10³ t 1501 1,5001 1,125 : 3.9×103 t 10,4×10° T) 1,450 t 30,000 2 5,000 kg 25 1 75,000 kg 8,000 P 100×10° 2 250,0x10³ t 250.0×10³ t 4,4×10 1 22,5 T 2,500×10³ kwH ,500x10° kcal 260,4×10³ t 100×10³ Nim³ 25x103 Nm3 **Quantity** I I ī Cost Center: BT-1 cc Labour cost (Rep. & maint.) (Variable cost total) For merchant & bar By-product (male) (Sub-material total) By-product (skull) Fixed material cost 3y-product (steel) (Material cost total) (By-product total) Depre, & interest (Refractory total) (Fixed cost total) Castable (Hi-At) Industrial water Fire clay brick Hozzle (Zircon) (Utilities total) Overhead exp. Copper mould Full cost total Labour cost Stiding nozzle Rapeseed oil Electricity Traffic axp. adle brick Surnt paddy Molten steet A) wife Охудел Nitrogen 5 产

15.94) 3.69) 44.37) 49.131 2,459.34 } 62.70 } 2,385.57] 2,522.04 2,522.04 2,522.04 2,429.94 Unit Cost Rs./ton ĵ 2.15 -MT Production 1,270x1,000 ton 6x103 kcal/t 0.4×103 Øt 1.0 Nm³/t 0.4 Nm³/t 0.05 kg/t 10.0 kwH/r 5.8 kg/t 0.2 kg/t 3.1 kg/t 5.0 kg/t 1/6 001 20.0 g/t 0,3 kg/r 0.032 P/t Unit Cansumpt. 0.3 m²/t 120 cc/t 62,391) 20,247) 11,042 } 3,123,359] 79,633 56,3451 15,037 3,029,679 13,189 2,455 1,293 15,239 14,861 2,076 1,722 10,922 4,728 1,700 49,008 4,745 3,202,992 1,551,055 31,871 24,156 3,905 2,959 1,867 707 6,148 823 517 11,908 7,544 1,651,937 Amount (1,000 Rs.) 3,086,024 I I Ţ I Unit Price (Rs.) 2,344.82 5,434/10³ 77 23,300 4.5 17.4 1,220 430 2,030 3,800 59,200 2,077 81,500 2,077 508×10° 2 6,350 t 3,837 t 46.1×10³ t) 7,368 t 254 t 25,400 kg 10.6×103 t 63.5 t 40,640 9 1,270×10³ t \$15.0x103 t 1,316.1×10³.t 15.7×10³ t 19.8×10³ t 152,400 2 127 (381,000 kg 381×103 Nm3 12,700 × 103 KWH 20,320x10° kcal 1,270×103 Nm3 508×103 Nm3

Full Cost
Cost Center: Blooming Mill
2.15

2.15 -MT Production 603.0 x 1,000 ton

		Hoir Price	Amount	Unic		Unit Cast		L
Item	Quantity	(Rs.)	(1,000 Rs.)	Cansumpt.		Rs./ton	٠.	
ingot steet	295.0x10³ t	2,645.25	780,348		~	2,876,32)		8
By-product (scale)	1 t01x8.8 (-)	99	(-) 267					œ`
By-product (steel scrap)	(-) 14.8×10³ t	2,030	(-) 30,044					Ď
(By-product total)	((-) 23.7×10 ³ t)		((-) 30,311)		3	111.72 %		É
(Material cost)	{ 271.3×10³ t}		(750,037)		×	2,764.60))		
			-					
Cast bloom	335.0×10³ t	2,597.62	870,203		~	2,623.47 >		
By-product (scale)	(-) 1.3×10 ³ t	8	33	:		-		
By-product (steel scrap)	(-) 2.0×10 ³ t	2,030	() 4,060					œ.
(By-oroduct total)	((-) 3.3×10 ³ t)		(650' > (-) }		1	12,36))		និ
(Material cost)	(331.7x10 ³ t)		866,104)		×	2,611.113)		
								E
Roll	35,180 kg	20	724	0.06 kg/t		1.20		프
Consumable			3,280			5.44		į
	230,346×10 ⁶ kcal		27,836	382×10³ kcal/t				ž
Electricity	14,942×103 kwH		7,233	24.78 kwH/t				-
ndustrial water	241×10 6		298					
(Utilities total)			(35,367)		-	58.65)	:	7
(Variable cost total)			(1,655,512)			2,745.461		ř
Labourcost			3,079					ίξ
Labour cost (Rep. & maint.)		:	5,583					ä
Fixed material cost			37,328			-		ð
Dapre. & interest		1):	45,439			-		Ę
Overhead exp.	-		7,513	-				
Traffic exp.			2,799					, Œ
								.
(Fixed cost total)			(102,826)			178.53 }		
Full cost total	603.0×10³ t		1,758,338			2,915.98		
For billet mill (from ingot)	264.0x10 ³ t		792,111			3,000.42		
For HSM (from BL-cc)	276.0×10³ t		785,750			2,846.93		Fu
For No. 2 New Bar (from 8L-cc)	55.7×10 ³ t		158,574			2,346.93		For
For No. 2 New Bar (from ingot)	7.3×10³ t		21,903	·		3,000.42		ñ

* Bloom * By-product (scale) By-product (steel scrap) (By-product total)	. T	Guantity	Unit Price (Rs.)	Amount (1 000 B.)	חשום	CONT. COST	٠.
* Bloom By-product (scale) By-product (steel scrap)	_			rest com'th	Consumpt	Az./10n	
By-product (scale) By-product (steel scrap) (8y-product total)		264.0×10³ t	3,000.42	792,111			
By-product (steel scrap) (By-product total)	I	2.6×10 ³ t	30	£ 78			
(By-product total)	I	11.9×10³ t	2,030	(-) 24,157			
	<u>.</u>	14.5×10 ³ t)		((-) 24,235)		((-) 97.13)	
- 1 :							
(Material cost)				(378,787)		(3,077.65)	
Rosi		37,425 kg	25	936	0.15 kg/t	3.75	
Consumables			,	2,355		3.44	
			•		•		
Electricity	9	6,612×103 kwH		3,201	26.5 kwH/t		
Industrial water		508×10° 2		223	0.4x10³ &t		
(Utilities total)				3,424]		(13.73)	
		.*.					
(Variable cost totel)				(774,591)		3,104,57 }	 -
Labour cost				3,063			
Labour cost (Rep. & maint.)				3,486			
Fixed material cost				15,139			
Depru. & interest				5,452			
Overhead exp.	. •			1,635			·
Traffic exp.	<u></u>			8,157			
(Fixed cost total)				(37,942)		(152.07.)	
		:					
					1		
							-
·.	<u>.</u>		<i>2</i> ;				~
	-						
Full cost total		249.5×10³ t	- 12 - 12 - 13 - 13	812,533		3,256.65	
For merchant & bar		11.0x10³1		35,823		3,256.85	
For Sales (billet)		238.5×10 ³ t		776,710		3,256,65	

Cost Center: Merchant & Bar		Z.15 -M.T	Production 250.0 x 1,000 ton	0.0 × 1,000 to	E	ပိ
Item	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost As,/ton	
* Billar	11.0×10³ t	3,256.65	35,823			* Cast bi
* Biller (BT-1cc)	250.0×10³ t	2,662.92	162,731			8y-pro
(Total)	(261.0x10 ³ t)		(701,554)		(2,806.22)	By-pro
8y-product (scale)	() 5.2×10³ t	8	(-)			(8y-pr
By-product (scrap)	(-) 5.8×10³ t	2,030	411, (-)			(Mater
(By-product total)	{ (-) 11.0x10 ³ t.)		(0000111 (-))		{ (-) 47,72 }	
					•	80
(Material coxt)			(589,624)	-	(2,758.50)	 Consu
			-	: .		1.
Roll	55,000 kg	28	1,540	0.22 kg/t	6.16	20
Consumables			5,325		21,30	Electri
	******					Indust
Gas	100,000×10 ⁶ kcal		12,084	400×10² kcal/t		(Degree
Electricity	15,025×103 kwH		7,274	60.1 kwH/t		
Industrial water	40×10° g		99			(Varial
Steam	40,000 t		4,035	0,16 t/t		
(Utilities total)			(23,443)		{ 77.56	Labou
						Labou
(Variable cost total)			118,932 }		1 2,879,73 }	Fixed
	·					Depre
Labour cost			4,478			Overhe
Labour cost (Rep. & maint.)			3,970			Traffic
Fixed materies cost			15,165			
Depre, & interest			10,390			 n'i'
Overhead exp.			2,564			
Traffic exp.			8,863			
(Fixed cost total)		·	(45,430)		(181.72)	
Full cost total	256.0×10³ t		765,362		3,061,45	Full co
For sales	250.0×10³ t		785,382		3,061,45	 Forsa

Full Cost

reen ((scale) ((scap) sr total) (s	(-) 6.1x10 ³ t (-) 8.9x10 ³ t (-) 15.0x10 ³ t)	(Rs.) 2,522.04 30	(1,000 Rs.) 1,551,055	Сопѕитрт	찬	Rs./ton
(scale) (scrap) total) ff	6 5,00	30	1,551,055			4. 14.
(scrab) (scrap) (strap) (strap) (strap)	62,00	88				1,085.14
oduct (scrap) (roduct total) (riel cost) umable	62,300		(-)		· · .	
rroduct total) rrial cost) umable	62,30	2,030	(-) 18,067			
laterial cost) 38 onsumable	180,000 kg ————————————————————————————————————		((-) 18,250)		ĵ	30.42)
olf oneumable	180,000 kg ————————————————————————————————————		(1,532,805)		_	2,554.68 }
eldemustro.	189,000 kg ————————————————————————————————————					
insumable x	162,000x10 ⁶ kcal	28	5,040	0.3 kg/t	:	8.40
22	162,000x10 ⁴ kcal		12,780	1		21.30
	162,000×10 ⁴ kcal					
	בי טעטיינטן ניייוז		19,577	270x10 ³⁷ kcal/t		
Electricity	D4,UUUXIU RWA	·.	26,143	90.0 kwH/r		
Industrial water	300×10° R		372	0.5×10³ Øt		
(Utilities total)			(46,090)		٠ ـــ	76.81)
(Variable cost total)			(1,596,715)			2,661.19 }
Labour cast			4,371			
Labour cost (Rep. & maint.)			955'9			
Fixed material cost			37,298			
Depre & interest			147,666			
Gvarhead exp.			21,583			
Traffic axp.			20,019			
			-		٠.	
(Fixed cost total)			(237,493)			385.82)
:			-		÷	
	-		-			
Full cost total	600.0×10³ t		1,834,208			3,057.01
For sales	600,0×10³ t		1,834,208			3,057,01

Full Cost

Cost Center: No. 2 New Bar 2,15 -MT Production 700.0 x 1,000 ton

76.81) 400.72) 31.63) 2,692.62 } 2,586.11) 2,617,74 } 21.30 3,093,34 3,093.34 8.40 Unit Cast Rs./ton 270x10³ kcal 90.0 kwH/t 0.5×10³ Øt Unit Consumpt. 0.3 kg/t 1,810,274) 280,503 } 1,884,834 } 1,832,414] 22,140) 53,770 } 22,839 174,791 2,165,337 2,165,337 21,903 21,924 5,830 14,910 30,498 4,370 7,486 15,050 25,400 23,406 1,651,937 158,574 433 Amount (1,000 Rs.) Ξ TI Unit Price (Rs.) 2,846.93 3,000.42 2,522.04 82 2,030 8 55.7×10³ t 10.8×10³ t 700.0×10³ t 7.3×10³ t 718.0x10³ 13 18.0×10³ t) 655.0×10³ t 7,2×103 t. 700.0x10³ 1 210,000 kg 189,000×106 kcal 63,000×103 kwH 350×10° 2 Quantity II Labour cost (Rep. & maint.) Sy-product (scale) By-product (scrap) (Variable cost total) Fixed material cost (By-product total) Depra. & interest (Fixed cost total) * Billet (B.C-1) Cast billet (87.3) Industrial water (Utilities total) Overhead exp. (Material cost) Labour cost Full cost total Billet (ingot) Consumables (Billet total) Traffic exp. Electricity For sales Rog . 25

	Cost Center: Heavy Structural	ructural	2,15 -MI	Production 250.0x 1,000 ton	0.0x 1,000 to	
	(tem	Quentity	Uait Price (Rs.)	Amount (1,000 Rs.)	Unit Cansumpt,	Unit Cost Rs./101
	*Blaom	276.0×10³ t	2,846,93	785,750		3,143.00
	By-product (scale)	(-) 5,4x10³ t	စ္က	791 (-)		
	By-product (steel scrap)	() 20.6×10³ t	2,030	(-) 41,818		
	(By-product total)	((-) 28.0×10 ³ t)		((-) 41,9801		((-) (67.92)
				-		
	(Material cost)			(743,770)		(2,375.08)
	-					
	Roll	375,000 kg	20	7,500	1.5 kg/t	30.00
	Consumables			6,763		27,05
						:
	Gas	100,000×10 ⁶ kcal		12,084	400x103 kcal/t	
	Electricity	29,650×10 ³ kwH		14,253	118.6 kwH/t	
	Industrial water	220×10 ⁶ g		272		
	Steam	32,500 t		3,279	8.13 t/t	
	Utilities total			1 29,988)		119.36)
		.1				
	(Variable cost total)			(788,021)		3,152.08)
	· .					
-	Labour cost	•		6,593		
	Labour cost (Rep. & maint.)			4,552		
	Fixed material cost			24,315		
	Depre, & interest			12,643		
	Overhead exp.			3,237		
	Traffic.exp.			10,406		
	(Fixed cost total)			(61,746)		(245.39)
					· · ·	
					: -	
					· · · · · · · · · · · · · · · · · · ·	
	Full cost total	250.0x10³ t		849,767		3,389.07
	For sales	250.0×10³ t		849,767		3,399.07

uli Cost Cost Center: Gas		2.15 -MT	6,763, 2.15 –MT Production 6,740,	6,763,729×10° kcal 6,740,445×10° kcal	729×10° kcal 445×10° kcal (distribution)	Full Cost Cost Cer	Cost Center: Power Plant (Own)		2.15 –MT	2.15 -MT Generation 1,041,793x101kwH	1,041,793×10°	cwH
ltem.	Quantity	Unit Price	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost Ra/ton	ltem	E	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cast R£/100
Gas	5,740,445x10 ⁶ kcai	113	751.570		113,00	Gas		2,083,586×10° kcal	1	251,786		
						Industrial water		6,251×10° 2		1,738		
Labour cost			1,089			Electricity		10,418×103 KWH	0.484	5,033		
Labour cost (Rep. & maint.)			1,767			(Variable cost total	total}			(284,557)	:	(0.254)
Fixed material cost			11,933									
Depre. & interest			38,074			לשטמור כסגל	• * • •			3,193		-
Overhead exp.			1			Labour cost (f	Labour cost (Rep. & maint.)			5,722		
Traffic exp.			1			Fixed material cost	כפע			37,808		
(Fixed cost total)	: '		(\$2,863')		(7.84)	Depra. & interest	ij			141,326		
				:		Overhead exp.				1		
						Traffic exp.				ſ		
		: .				(Fixed cost total)	tal)			(183,049)		0.1801
Full cost total	6,740,445×10 ⁶ kcal	-	814,533	: .	120.84	Full cost total		1,041,793×103 kwH		452,606		0.434

			Pur	Purchase 0		
'	ruli Cost Cost Center: Power Distribution		2.15 -MT Dis	Own Generation 1,041,793x10² kwH Distribution 990,843x10² kwH	,041,793×103 kwH 990,843×103 kwH	kwH kwH
	Item	Quantity	Unit Price (Rt.)	Amount (1,500 8s.)	Unit. Consumpt.	Unit Cost Rs./ton
	Purchased	0		0		
	0wn	1,041,793×103 kwH	0.434	452,608		
	(Variable cost total)			(452,606)		(0.457)
		,				
	Labour cost	•		724		
	Labour cost (Rep. & maint.)			837		
	Fixed material cost			5,475		
	Depre, & interest			20,022		_
-	Overhead exp.			1		
	Traffic axp.			1		
	(Fixed cost total)			27,0581		(720.0)
	Full cost total	990,843×10 ³ kwH		479,664		0.484

l'sem	Quantity	Unit Price (Rs.)	Amaunt (1,000 Rs.)	Unit Consumpt.	Unit Cost As/ton	Item	Quantity	Unit Price (Rs.)	Amount (1,000 Rt.)	Unit Consumpt,	Unit Cost Rs./ton
	10,132×10° kwH		4,905			Coal	1 9 6 9 6 1 1	356	53,365		
	:		12,900			Electricity	6,325x103 kwH		3,062		
(Variable cost total)			(17,805)		(0.778)	Filtered water	739×10° g		985		
						Steam	72,138 ε	100.89	7,284	•	
			867			(Variable cost total)	·		(74,897)		(85.17)
Labour cost (Rep. & maint.)			585								
Fixed material cost			3,263			Labour cost			1	,	
Degra, & interest			5,707			Labour cost (Rap. & Maint.)			787		
Overhead exp.						Fixed material cost			4,018		
						Depre, & interest			1	- in territor	
(Fixed cost total)			(10,522 }	-	(0.450)	Overhead exp.			1		
						Traffic exp.					
						(Fixed cost total)			(7,500)		(5.72)
Full cost total	22,873×10 ⁶ g		28,327		1,238	Full cost total	785,984 t		79,397		100.83
			i								
						Full Cost					•
Cost Center: Filtered Water	Water	2.15 -MT	Distribution 9,409×10	,409×10° g.		Cost Center: Oxygen & Nitrogen	n & Nitrogen	2.15 -MT	Distribution	181,229×10° Nm²	
Item	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt.	Unit Cost As./ton	ítém	Quantity	Unit Price (Rs.)	Amount (1,000 Rs.)	Unit Consumpt	Unit Cast Rs./ton
	8,270×10° kwH		4,003		0.425	Electricity	129,000×10 ³ kwH		62,448		
				:-		Industrial water	1,720×10° 2		2,130		
			578			(Variable cost total)			64,573)		(0.356)
Labour cost (Rep. & maint.)			392					: :			
Fixed material cost			1,637			Labour cost			1,120		
Dapre. & interest			853			Labour cost (Rep. & maint.)			3,280		
				-		Fixed material cost			24,551		
<u> </u>			1			Depre. & interest			90,974		
(Fixed rost total)			(3,450)		(0.368)	Overhead exp.			1	•	
						Traffic exp.			1		
						(Fixed cost total)		· · · · · ·	(119,925)		(0.662)
	0 40. 007.0										

6. Financial Analysis

- (1) Base Case
- (2) Sensitivity Analysis Case-1
- (3) Sensitivity Analysis Case-4-1

SALES SALES VARIABLE COST MANUFACTUR.COST SELLING EXP. EXCISE DULY SOEF EGEAF	1.42E 040E				11.48	L 4K HS = 1.00 , 0000KUP	RUPEES)				
ALES VARIABLE COST MANUFACTUR.COST SELLING EXP. EXCISE DULY SOF. SOF.	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
ABLE COST JFACTUR.CO ING EXP. ISE DULY					4		ו סיו	95,061	95+061	######################################	######################################
ExP. 0014	0		0	0	0	0	4,53	9,37	9,37	9,37	9.37
	0	0	O	0	0	0	448	129	1,29	2.5	1,29
	0	φ	0	0	0	ó	0.5	9,07	101	8,07	70
SOFF FRATION IN	0	ο.	0	O	0	0	8+45.7	7,461	7,46	·n	7.46
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ABOR	0	0) (C	, 0	o 0) C	י מ	9 ~	7000	0.0	0 0 0 0
DEPRECIATIONS	0		0		0	0	9.220	17.368		0+4+1-	7.40
INI	0	Ö	0	0	0	0	20	4	4	9	, 4
HATERIAL	O	0	O	O	0	0	O	692.9	125	<0	2
OTHER PIXED EXP.	0	0	O	ဝ	o	0	52	ď.	1,368	1,358	1,368
OPERATING COST	0	O	0	O	0	0		1 1/2	102	78+021	0
OPERATING INCOME	0	Ö	0	0	0	0		7+0	17,039		17,039
INTEREST INCOME	0	O	0	O		0	1 00	3.2	1 0		130
4	16	5.9	267	833.	2,193	4,774	7,331	7.864	7.156	6.482	5.744
SHORT TERM LBAN	0	o	0	0			S	-			
SOF LOAN	0 0	00	0	o d	110	1,032		36	90	2 + 9.05	65
Contra				5 6	-4	V C	\$2 (\$-		9	7.7	175
24C- 2014aCu	. 4	05	٠.	64	C.	2 5	1.0931	đ.	9	63	. 50
	161	441	22616	635) (1,521)(· -	0 C	- 64	 	~ ~	0 0
(57292)	1 0 1	141	4110	የ	56	. 27	0	4	N :	1,7051	1,485
1.0.C.	16	59	267	"	119	4,774	3,034	0	0		16
à	16)(144)) (922	6351	1,630)!	• 29		0 0	Ö	0	ò
(STEP2))(0	141	41 1	0 1	∙O I	74.		6	6	50	0
INCOME BEFORE I'AX	Q	0	۵	0	Ó	0	155	9.208	9.949	10.654	13.425
LOSS BROUGH	0	0	0		0						
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r 		0) 	Ċ	0	77	4.604	۲-	• 32	7.1
ACCUMULATED INCOME	0	0	O	0	: O	0	7.7	4,681	9.656	14.983	20.695

(11 AKHS=100,000RUPEES)

LASE BASE

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PPO(RELINING)			0		0		2	9	0	1,42	82
ONATIALITIES	0	0	0	0	O	0	391	261	192	19	192
EXCESS CASH	0	O	0	0	0	0	0	-			\$ 7.4
ACCI. RECEIVABLE	0	0	0	0	0	0	90	~	1.92	N	Ļ
LIQUID ASSETS	0	0	0	0	0	0	4,503	တို	1 75	• 30	54+585
FINISHED GOODS	0	0	0	0	0	0	i n	3,961	3,961	3,961	3,961
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MATERIALS, SUPPLIES	0	Ö	0	0	0	0	, 56	9	16	16	3.169
SPARESASTORES	0	0	0	0	0	0		4	*	5,243	•
CLERENT ASSETS	0	.,	0	0	0	0	11.890	31, 852	44.707	56 + 264	68.239
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2.BUILDINGS	0	O,	. 15	5#729	-	61.45	104	ķ	90	58	134098
3. AACHINERY	0	0	m	. •	115,552	178,149	185,635	171,534		143,332	129,231.
4.VEHICLES	0	0	0	ιŢ	•	1.5	• 86	ŝ	O	* 05	1
5. INVENTORIES	e P	0	O	0	0	• 08	\$ T 2	0	0		o
6.PRE-OPERAT. HXP.	808	202 12	4	9	5,938	8 2	• 06	121	'n	20	41654
	16	74	341	1,174	4	114	58	147	8+354	53	-
OLD PLANT	0	0	0	0	0	ις. 13	50	7,526	ō.	ن وب	5,933
FIXED ASSETS	824	4+284	21+985	61,889	143,146	229,479	241,147	221,623	204,255	186,886	169,518
j 1	824	4.28%	21,985	61,889	143,146	3 1	53,03	53,475	248,96	3.150	237+7
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ARISERVE FOR TAX	0	0	0	0	0) (2)	• 1	ġ	41.974	5.327	, ,
SHORT LOAN	0		0	0	0		122) 	
CURRENT LIABILITIES	٥	O	0	0	0	0	4,255	8,565	8,935	9.233	729.6
RESERVE (RELINING)	0	0	0	0		0	1.0	609	1,015	1,421	1.827
SDF LOAN	0	0	0	0	2,740	23,069	39,206	o	\$ 52	(0)	-
(STEP1)	10	00	o.	60	2,740) (¢	7,97	7.97	69	15,207.1	13,8251
(5162)	6	~ 6	ō			5,09	Š	1.2	1,23		1,36
FORFIGN	556	1,541	•	, 76	494	0 0	3,86	76.4	60.09	7.21	8.33
אליניסטיי	7.00	1,030,1	108047	404	200	,	7,00	9.62	4.0	11.6	4.6
FIXED LIABILITIES	556	1,541	7,980	21,762	55,379	104,045	123,270	114,795	104,937	93,445	61,954
				1			1 1 1	; ;			
LIABILITIES TOTAL	556	1,541	7,980	21.762	55,379	104,045	127,525	123,359	113,872	102+733	91,628
	268	2,743	14,005	40,127	87,767	125,434	5,43	125,434	4	125,434	125,434
RETAINED HARNING		0	0				-1	406	ON!	6	910
* Indo	268	2 1 7 3	14,005	40,127	87,767	125,434	1254511	130+115	604	0,41	
LIABILITYSEQUITY	824	4+284	21+985	61.889	148,146	229,479	253,037	2534475	248,961	243+150	237+757
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INCOME BEFORE TAX		0	0	O	0	o	0	1.55		6+6-6	9:0	1.42
DEPRECIATIONS		o	C ₁	c	0	0	0	N	17,368	17,358	17,368	35
.F.RELIN		o	o'	0	0	0	0	0	405	404	406	O
RELEASE(RELINING)		0	ဗ	0	0	0	0	0	0	0	o	0
APITAL S		268	-	-	, 12	400	37,667	0	0	6	0	0
(STEP'L)	-	268.1	2,4224) (11,0641	N	1.67	î	50) (0	0	0	ô
(STEP2)		0	25114	19	70	15,9651)(0) (0	ô	10	ā
(OLO PLANT)	_	6	0) (0		0	8,58	ô	õ	3 60	o co	50
SOF LOAN		0	0	0	0	7.4	0.32	16.137	G	0		S c
. ~	~	ô	0	ô	0	2,7401	15,2321(200	0.10	o o	Ö
(STEP2)		0	10	0	0	0	5.09	16.13736	0	0		ā
POR FIGNISM		556	986	· co		30.878		7.837	C	Ć	c	c
STEP1)		55616	· •	3 (000 9		8		000	6	ō	1 (0	Ĉ
(STEP2)		0	5111	439)	5,1711		7.48	7.837.16	760	0		G
SHORT LOAM		٥	0	$^{\circ}$		0	0		0	0		ò
SOURCES OF FUNDS	} ! ! ! ! !	824	3,461	17,701	106	81,258	86,333	35,776	26,982	27,723	28,428	29,199
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APPLICATIONS TOTAL] 	824	3,461	17,701	39,404	81,258		35.776	1 0	. 27 . 723	78.478	20.100
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(1 L AK HS=100,000RUPEES)

* FINANCIAL STATEMENT OF BURNPUR WORKS LUNIT: LAKHS!

LASE BASE

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24LES	8 F →	====== 90 € € 6	80,339	90,339		061	1 C	95,061	95,061	95,061	80,339
VARIABLE COST	.076.64	49,370	i iv	1 . 52	١ ٢~	9,37	9,37	9,37	3.77	1 M	~
}	31,295	31,295	N	.29	0	129	5.5	• 29	1,29	1,2	62
3.	18,075	18,075	15,229	5	18,075	9.0	æ	8,07	00	8	245
EXC.ISE DUTY	7,401	7,461	~	121	ð	440	0	446	446	4	2.3
SDF	9+473	8+473	~		~	1.44	8,473	8,473	244	.7	4
EGEAF	2,038	2,038	1,718	7.	m.	0	03	60	03	9	1,718
JPC	102	102	96	9.5	102	102	102	102	102	102	89
FIXED COST	28.651	284651	65	9	. 0	<u> </u>	. 6	, -	6	12.140	
LABOR	3,24	2	3.240	3,2	3.2	3,2	3.2	'n			3.24
DEPRECIATIONS	17,368	17,368	35		'n	a	9		9	8	a)
B. F. AEL INING	905	406	0	4	40		4	406	0	40.4	O
FIXED MATERIAL	6,269	69219	,26	7	Ø	2	•		6,269	6,1269	6,269
OTHER FIXED EXP.	1,368	1,368	Φ	35	36	1, 368	ω,	1,368	36	~	35
OPERATING COST	i co	78,021	70,174	70,174	78,021	96	10	10	68,285	61,511	53.664
DPERATING INCOME	17,039	17,039	10,165	10,165	17,039	18,092	19.010	19,010	25,775	33,550	26,676
INTEREST INCOME	162	195	162	\$ 9	32	\$ 9	7.6	130	162	195	162
INI EREST PAID	5,005	4,267	N	2,789	2,051	1,381	975	734	493	251	65
SHORT TERM LOAN	0	0	0			0	0	0	0		
SDF LOAN	2,423	2,181	1.940	O.	1.458	1,216	975	734	Ġ	251	, (C)
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INCOME BEFORE TAX	12,196	12,968	6,800	7,441	15,021	16,776	18,133	1.8# 406	26.445	33.494	76.773
LOSS BROUGHT FWO.	0	0	C								
•	12,196	12,968	6,800	4		-	.13	140	141	640	- トー
INCOME TAX	860.9	6.484	-	3,720	ů	8,388		9,203	13,223	16,747	6
INCOME AFTER TAX	960,9	6,484	3,400	, 72	7,511	38	90	• 20	122	2 6 9	ω. U
ACCUMULATED INCOME	56, 794	33,277	677	398	47,908	5.6129	5.36	4, 566	7,73		j o
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	2006	15 E	7 3	1.		77.57	96	5.5	3,169	7	09.351	11 11 11 11 11 11 11 11 11 11 11 11 11		. 0		0 (- C	1,593	27,938	237	3,961	13,223		17,183	123	649		3) (0	6,882	24,066	1 .	147,454 87,188 213,222	37:23
	2005	1,827	7	162,589	•	7 1 1 1 1	9.06	58		2.4	187,086	# 	2,52	16.423	2,509	0 (5 C	1,685	35,570	655	3 30 61	9,203	```	13,164	ι ω	7,665	_ 0		0	9.692	22.656	1 4	74,566	222,656
ORUPEES)	2004	7 * H	~	က	151,000) - - -	3,961	1,584	3,169	5,243	164.959	######################################	107	30,524	2,788	0 (5 0	2,216	1.0	215,926	3,961	0		130.61	42	·O -	119519	١	000	12,102	25,129	'	65,363	215,926
4KHS=100+000RUPE	2003	n 	192	118,742	128.47		3,961	1,584	3,169		142,428	11 12 14 14 14 14 14 14 14 14 14 14 14 14 14	1 12	4,62	0	0 (3 G	2,747	66,363	1 101	3+961		r	1 2 3 4 9	01	13,697	` ~		010	14,712	27,061	125.434	300	208,791
(114	2002	1		100,106	22647	;	3,901	ů	Ω	24	123,386		. 4	o)	3.34	(6 6 6 6 7 6	-1	2.67	206,064	3,961	5.		I) + 0 1 T		16,713	6 8003	3,928	0 6	21.250	321.25		47,90	206,064
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	2000		Ф	806461	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		ന	5	2,678	6+243	97,301		. 0	86,928	3,907	0 6	79.767	4,340	117,414	214+715	3,347	3,400	0		1,4	22,744	13	21,691	66	45.857		175.434	5,67	214,715
٠	1999	2+639	7.0	68.036	226.05		3,961	ξ	1.16	5-243	93,346	44	12,128	101,029	æ	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	r 60 r 60	01	4,78	228+128	3.961	D • 484		0.000	2.639	25,760	14,701)	30+573	14,8591	58,972	594416	125.434	3,27	228,128
ASE BASE	1998	2,23	5	55,696	776.44	750000	3,961	1,584	1.6	51243	80+599		12.613	115,130	4,466	0 0	5,002	5,402		232,750	3.9	860.9	0 80 01	, 1	2,233	28,776	6 3341	757.6	(19,812)	01463	30,522	125.434	26,79 52,22	232,750
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1996 1999 2000 2001 2002 2003 2004 2006 2007 2008 2004 2008 2004 2008 2004 2008 2004 2008 2004 2008 2004 2008	1998 1998 17,368 17,368 4,06 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000								
12.196 12.906 17.506 17.441 15.021 16.176 15.137 19.400 25.455 33.494 26.177 25.494 26.177 26.1756 17.506	VG) VG) VG) VG) VG) VG) VG) VG)		2001	2002	2003	2004	Ν,	2006	2002	2003
17.366 7.68 7.66	VG)	8 4 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************	15,021	16,776	18,133	II 609 II ~4* I	25,44	33,49	6,77
Column C	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 17,2	36	17,368	6,31	5,3	15,397	.63	S)	in
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29,871 30,742 25,196 25,839 32,795 33,936 34,209 34,483 34,757 29,66 34,570 34,602 29,78 32,395 34,503 34,502 29,78 25,855 34,570 34,602 29,78 25,857 29,78 25,857 29,78 25,857 29,78 25,857 25,366 21,380 13,03	CAPITAL 29.871 30.74	4.9	0.40	* 72	4 5°	.38	• 06	20	3+22	6.74
29,871 30,742 26,198 26,839 32,795 33,497 33,936 34,209 34,483 34,757 29,66 34,570 34,483 34,757 29,66 34,570 34,602 29,78 34,472 34,570 34,570 34,602 29,78 28,857 29,506 23,297 25,366 21,380 13,03	24.08 30.44 30.44 30.44 30.44	0 2 -	0	908	0	0	0	0	0	2,08
34,570 34,602 29,781 27,598 32,354 24,472 34,505 34,537 34,570 34,602 29,78 28,857 25,471 25,366 21,380 13,03		7 74.10	4	1	1 :3	1 0	1 (1 0	1 6	1 1 7 6
34.570 34.602 29.781 27.598 32.354 34.472 34.505 34.537 34.570 34.602 29.78 28.857 25.471 25.366 21.380 13.03			11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11		7 H 1 H 1 H 1 H 1 H 1 H 1 H 1 H 1 H 1 H) H H H H H O H) ii - 11 - 11 - 11	0 II	0 11 11 11
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29,857 29,504 23,297 24,190 29,654 26,917 25,471 25,366 21,380 13,03	34.570	79.78	: 0	7 3 5	24.472	2.50	. 5.7	72.7	207-25	4
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SALES SALES VARIABLE COST WANDERCORF WANDERCORF SELLING ERV. SELLI		CASE BASE				. ILAKHS
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WANDELE COST		80+339	95,061	95,061	95,061	794,17
##NUFATTUR COST	AR LABLE COS	1 + 52	,37	3.7	9.37	31,18
EXCISE DULY	ANGFACTUR.COS	6,29	\$29	52	1,129	91,08
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ACCT. RECEIVABLE		7,922	•	7,922			
LIDUID ASSETS	235,674	256,413	274,500	292,603			
FINISHED GOODS	3,347	3,961	3,961	3,961	; ; ; !		
WORK-IN-PROLESS		1,584	1,584	1,584			-
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2. BUILDINGS	7.274	6,789	906.9	5,818			
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4-VEHICLES	1,390	1,111	831	551			
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FIXED ASSETS	25,366	24,508	23,651	22,794	1 1 1 1 1		
ASSETS TOTAL	•	294,878	312,108	3291354	P		
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RESERVE FOR TAX	118,370	16.791	16,807	16,824		: :	
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HSM JOISTS	7500	75,00	75.00		75.00	•	75.00	75.00	10	5	u
HSMANGERS	75.00	75,00	\sim	'n			0	'n	0	ú	1.3
MEPCHANI	250,00	250.00	\sim	48.		o	0	ď	0.0	Ö	m
NEW BAR I	00.009	00.009	72.0			00	00.00	. •	0	ó	2
NEW BAR 2	700,30	700,00	$^{\circ}$	00		00	00.0	o	0.0	700.00	
BLACK PLATE	00.0	00.0	00.00	00.0		00 0	00.00	0	00.00	00.0	Ö
GALVANIZED	00.0	00 *0	\sim			00.0	4		0	00.0	
ALLET	238,50	238.50	148.00	•	238.50	238.50	8.5	238.50	8.5	8	148-00
ROK	26,00	26.00	0	11,00	ŝ	6.0	Q.	ò	.0	25.	11.00
ENDS COXE	00.0	00.0	00.0	00.00	o	00.0	00.0	00.0	0	Ċ	00.00
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1971Id: XXX	3.940	3.940	4	3.940	3.940	0.70 * £	070.5	070 8	7.040	0 70	ò
HSH JOISTS	4.770	4.170	4.770				77		7.7	7	77.77
ISA ANGLES	764.4	4,492	49	4.	4	767.5	4		643	- 1	3
MERCHANT	11,500	11,503	11,408	1,4	<u>.</u>	1:1 500	11,500		11,500	11,500	11,408
መቀመ አመሪ	26,030	28,080	41	4	ō	•	8,08	œ	8 03	0	7.41
N	32,200	32,200	20	2,5	2,5	ń	32,200	32,200	2	32,200	32,200
BLACK PLATE	6	0	a	0	Ġ	0	0	0			
GALVANIZED	0	0		0	0		0		Ö	O	Ģ
PILLET	6.397	9,397	5,831	5,831	9,397	796.9	795.4		4	9,397	m
	681	189	ø	œ		189		681.	691	189	2
LUMP COKE	0	0	0	0	O	o	Ö	0	o ,	0	O
と言く言いて言	95,061	954061	60,339	80,339	95,061	95.061	35,061	95.06	98,061	0.00	
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MERCHANT

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GO FINANCIAL	STATEMENT OF	BURNPUR WDR	KS CUNII	:LAXHS)					9 4 9	15	87/02/131
	CASE BASE				(11. A	AK HS = 100,000RUPE	ORUPEESI				
	1998	6661	2000	2001	2002	2003	2004	2005	2006	2007	2009
EGEAF (RS/TON) HSM 911LEI HSM JOISTS	1	 - - -	1001	II ~ ~ ~ ·	n 99	100		B	# 00 I	1.00	
HON ANGLES HERCHAN	000	100	000	0001	000	0001	000	1200	000	001	000
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· 🔾	0000	8880	2000	2000	2000	0000	0000	8880	000	8880	0000
EGEAP	2,0	2.0	1,718	1,718	2+038	2,038	2.033	2,038	2,038	2,03	1,71
JPC (RS/TON) HSM BILLET				n } 	H H H H H H H	 		61 14 15 18 18 18	6 6 10 10 11 11 11	11 tr 11 tr 11 tr 11 tr 11 tr 11 tr 11 tr	11 LC (1) (1) (1) (1) (1) (1) (1) (1)
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JPC	102	102	989	36	102	102	102	102	102	102	1 00
MANUFACTURING COST	1 0		i		4 6 1 4 1 4	H (11 1 12 U	34 1 64 1 12 1 13 1 16 1 16 1 18 1	H ((1) 	19
HSM JOISTS	1587	1587	58	ο α Ο α	S S S	S CE	ນຸດ	in or or or	N ON	in the	1587
KOM ANGLEN	1587	1537 1537	ες η ες η	(C) (J	S) in	IT I	60 1	100	8	100	58
ZIE BAR 1	1488	1488	1488	1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1488	1488	1488	1488	1,488 1,488	1575	1555
2012 842 2 0 578 0 510	1.494	7651	49	49	4	49	4	63	6.5	4	40
, C		0				0	0	5 0	.	.	
ALLET	1615	1615	1615	1615	1615	1615	1615	1615	1615	16.15	1615
LUMP COXE	0 !	 	٠)			- 1	-	-	-	-	_
HANUFACTUR.COST	31,295	, 295 3:1, 295	26,294	26,284	31,295	31,295	31,295	314295	31,295	31,295	26,294

(1LAKHS=100,000RUPEES)

CASE BASE

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INX OHLLINI	365	365	365	365		
HSH JOISTS	365	345	3.65	365		
HSH ANGLES	365	365	365	365		-
SECHANIT	365	365	365	365		
NET 040 1	365	365	365	365		
NOT DAN W	365.	365	365	365		
BLACK PLATE	500	200	500	200		
GALVANIZED	935	935	935	935		
AILLET	365	365	365	365		
PIG IRON	9	80	80	80		
LUMP COKE	54	46	5.6	54	÷	
EXCISE DUTY	6,279	7,461	7.461	7,461	140.494	
SDF (RS/TON.)	1) 		2 ‡ †	! •	
HSW BILLET	450	450	450	450		
HSW JOISTS	200	200	200	500		-
HSW ANGLES	200	900	, 500	500		
MERCHANI	400	400	400	400		
NEW 94R 1	400	400	400	400		
NEW BAR 2	005	400	007	400		
BLACK PLATE	500	200	500	200		
GALVANIZED	350	350	350	350		
BILLET	450	450	450	450		
PIG IRON	0	o	0	O		
	7,146	8,473	8,473	8+473	159,379	
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OF FINANCIAL STATEMENT OF BURNPUR MORKS (UNITILAKHS)

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	591,0	. H	31,2	31.295	25,294	MANUFACTUR . COST
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		0	O	0	0	9
		0	, O ,	0	0	PLACK PLATE
		1494	1494	7651	1494	MEW BAR 2
		1488	1488	1488	1488	NEW BAR I
		1555	1.555	1555	1.555	KERCHANT
		1587	1.587	1887	1587	HSM ANGLES
		1587	1587	1587	1587	HSM JOISTS
		1587	1587	1587	1587	
					(RS/TON)	MANUFACTURING COST
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				٠.		JPC (RS/TON)
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	38,309	2.038	2,039	2.038	1,718	日の前を
		o	•	O	0	PIG IRON
·		100	100	1001	001	BILLET
		100	100	100	200	GALVENIZED
٠.		001	1001	100	100	PLACK PLATE
		001	001	100	001	C C C C C C C C C C C C C C C C C C C
		001	001		001	1 440 XWZ
		201	200	000	007	
		800			001	NEW CONTRACT
		001	001	001	100	HSF BILLET
				:		EGEAR (RS/TON)
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	TOTAL	2012	2011	2010	5002	
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() LAKHS= 100,000RUPEES)	4 1 L A				CASE 945F	

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	LASE BASE				111.4	IIL AKHS=100+000RUPEES	ORUPEES)				
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a DEPRECIATIO	DETAILS	\$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	; 1 1	 							1 1 1 1 1 1 1
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20107	7,326	7.4.7	7.2.7	7.27	70,00	7,326	7.324	7.324	,	,	0
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LIBATA.	~	2.5	N	N	~	0	0	0	0	0	0
(TECH.AS)	39	39	39	39	99	c ·	O	•		φ.	
(PREPAR.)	61	. 61	13	61	 6 र	0	o i	o	o ·	0	Ö
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SNIGTINE	198	198	198	1.98	198	O.	O	198	198	198	198
	6.775	6.775	6.775	5 . 7 . 5	61775	6.775	6.775	6,4775	6,775		C
VEHICLES	257	257	25	2.5	Ņ	25	2			257	257
PRE-DPIENGIN.	355	355	÷	355	355	S		0	0	· 1	
(TRAIN.)	S	v	un	S	ហ	S	0	0	٥	0	
(JECH.AS)	ω.	∞	æ	· cc	œ	∞	0	O	0	Q	6
(PREPAR*)	18	9 7	18	9.4	8	81	0	0	ດ ວ	0	0
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BLD6(9,10,12,13)	25	53	5.7.	5.7	57.5	5.4	57	57	25	25	
VEHICLES (11)	35	SC M	35	35	35	35	58	50	35	35	35
MACHINERY.OVEN	439	439	439	439	439	439	439	439	0	0	0
1.0.1	 	 1 1 1 1 1	} † ! ! ! !			i 	1	· · · · · · · · · · · · · · · · · · ·		† 	
STEP	5.85	585	585	ဆ	α	0	O	O	c	c	c
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2.301L01NGS	485	485	485	48.5	485	485	400	485	485	485	100 to 10
D. XACHINERY	14,101	101,42	Ο.	14,101	О	14,101	O	14,101	6,775	O	•
4.VEHICLES	280	290	283	280	\mathbf{x}	280	280	280	280	280	280
S. INVENTORIES		0	Ö	0			9	0	0	0	0
ON IND COLUMN C	w.	854	854	ın	'n	w	Ö	0	0	0	0
•	1,117	1,117	1,117	1+117	1,117	532		O		0	Ö
CLO PLANT	531	531	531	531	m I	ന 1	531	531	92	35	95
TOTAL DEPRECIATION	17.9358.	ത	17,369	17,368	7+36	16,31	5,397	5		857	
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(1LAKHS=100,000RUPEES.)

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SIEFI	287	287	287	782	7.	
MACHINERY			0	a	95,241	
4ICLE	M (2)	23	23	23	S.	
1 40-8	0	O	0	o	•	
(TRAIN.	0	0	0	0	'n	
w	0	0	0	0	391	
Cf	O	o	0	0	192	
STEP2	 		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• • • • • • •	1	
3	198	198	198	198	176	
CHINE	0	0		0	0	
111	267	257	257	257	Θ	
RE-0P (0	0	0	3,550	
(LANIAN).	0	Ó	0	0	46	
(TECHIAS)	0	0	0	0		
4	ó	0	0	0	178	
, NA 19 C 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	
ינוסי	57	5.7	. 57	5.7	1,148	
EHICLE	35	S. C.	35	92	698	
*ACHINERY, DVEN	0	0	O	O	5,703	
			1	: : : : : : :	! ! !	
STEP	O	0	0	0	5,849	
STEP2	0				32	
I . LAND	1) 10 10 10 10 10 10 10 10 10 10 10 10 10	# O # # # # # # # # # # # # # # # # # #	11 H C C 11 H K H H K H H K H H K H H K H H H K H	11	1 H H H H H H H H H H H H H H H H H H H	
2.BUILDINGS	485	485	485	485	0	
3 - MACHINERY	0			0	33	
4.VEHICLES	280	290	280	280	m	
INVENTOR	0	o	0	0	0	
VINB GO-	0	0	0	0	9,537	
•	0	0	0	0	11,174	
_	92	85	26	26	7,549	
TOTAL DEPRECIATION	857	867	857	657	225,417	

891 -

87/02/13 CASE BASE

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DIS CASH-FLOW
CA SH-FLOW
0.000
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1.8.8. (448) = 7.112 x

87/02/13 Case 84SE

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CASH-FLOW DIS CASH-FLOW 0.000

-808.000 -756.354
-1740.000 -2965.251
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7.253 K

I-R.R. (440) =

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0	00.0	-268.00	2475.00	1262,00	122.00	47640,00	766,7.00	20 10	572.25	2448.84	1150.83	1569,05	1954.61	12340.162	7872.23	9511.86	4685.93	8635.99	2125.73	1721.47	1858:04	8112,45	1335.64	4211170	983.79	7681.00	2377.27	1714.62
	o	1	2	m	4	S S ,	9	!~	m	Ф.	10	11	12	33	1.4	15	16	117	87 1	13	20	2,1	22	£3	52	25	52	IDI AL

(2) Sensitivity Analysis Case-1

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LES .	0	٥	0	O	o	O	37,527	61,789	79,851	95,061	92.36
VARIABLE COST	0	0	0	0	0	0	9163	5 , 09	1947	1 6	9.37
5	0	0	0	0	0	C)	, 18	0+34	6,28	1 + 2	1.29
u X	O	0	0	O	a	· O	444	7.4	80	. 0	0
	0	0	0	Ç	0	0	 G	4.85	6,26	7.4	7,46
SOF	O	0	0	0	a	Ö	95	5., 508	7.113	8,473	47
かられたか	O	ę.	٥	ဝ	0			p.	*	2,038	£0.4
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CI.	0	O	0	O	o	0	123	17,368	17,358	17,368	36
Z.	0	O	0	Ö	0	0	0	406	0	5	0,
HATERIAL	0	0	o	Ö	0	0	.0	61269	120	•0	\$25
⊢ 4	0	o	0	0	0	۵	521	L.J	1,368	, 36	1,363
ERATING COST .	ρ	0	0	0	0	0	37,557		112		105
ERATING INCOME	0	0	О	0	O	0	-30	1.048	9+729	17,039	
NIEREST INCOME	0		O	O) } !		80	32	6.5	16	
ု	91	6.5	267	933	2,193	4 + 17 4	i so	I 1~	1 5	1 0	75. T44
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SDF LOAN	o .	0	0	0	Q i	ra)	449	13	80	90	9
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(STEP2)) (0)	1416	41)(1981	262	1,272,1	1,9801	2.145)(1,9251	1,7051	1:48
ن	16	ው የ	267	(1)	0	4,774	3,034	0	0	0	0
(SIEP1)		1155	52611	6351(1,630)(3.2981		100	0.0	1 (0	(C)
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	0 (0	ø	0	0	0	, rc	\$ 29	1,95	10,539	11,425
LONS SKICKET FEC.) (>)	ο.	0	0		'n	4	7	
TAXABLE BOOKS	00	00	0 0	0 (0 (0	-4,556	2+3	1041	344	24
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WE FINANCIAL STATEMENT OF BURNPUR WORKS (UNITELAKHS)

CASE 1 (OPERATION DOWN '93.80% ,'94.65% ,'95.84% 1

	1981	1988	1989	1990	1661	1992	1993	1.994	1995	1996	1661
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DEPOTRELIMING	0	0	ø.	0	0	O	203	609	1,015	1,421.	1,827
CASH-IN-HAND	0	0	0	0	O	0	-4	-	•		۲
EXCESS CASH	0	0	0	0	0	0				ů	28,930
ACCI. RECEIVABLE	0	o	0	0	c	0	7	17	65	٠ <u>.</u>	7,92
LIQUID ASSETS	0	0	0	0	0	0	1 54	72,	m	ረተት	4.
NCCCC CHANNEN	 	, , , , ,	; ; ; ; ; ; ; ; ; ; ;		 C I I I	 - - - - - - - -			3.377	٠. ١	10
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T-LAND	6) 51 61 61 61 61 61 61 61	2.008 2.008	H Q	ji ~- ₩ -	[- +	5,737	5,737	5,737	5.737		5+737
2.BUILDINGS	·		513	7.2	2.01	79	5.04	4.55	4.06	4.08	3,09
· cc	o	o	0	8	S	41.4	. 6	53	43	. W	2
4.VEHICLES	0	0		'n	53	4.16	5,86	5,58	5,830	,02	4174
S.INVENTORIES	0	0	0	0		,08	5				
- P.R.E	808	2 , 202		68	9.93	82	90	2	35	50	65
7.I.D.C.	91	7.4	341	1,174	3,366	14	58	7.7	50	. 23	-
PA	0		_			เก เก	iO O	52	66	941	th (h)
FIXED ASSETS		1 00	21,985	686.10	143,146	229,479	241,147	221,623	204,255		169,518
	8.24	4,284	988	01.8	43.14	29,479	251.917	238,803	225,15	3.185	55.9
CCOUNT PAYABLE	(f 14 15 16 11 17	9 6 0 11 11 11 11 11 11	"# "	3 (4 f 4 f	日. 日 日	6 H C H C H C H C H C	1.56	######################################	и и	u «O	n 0
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SHOAT LOAN	0	0		0	0		9	, dr pre	196		
ά.	0	0	0	0	0	0	16	10,721	4,976	4+133	41916
RESERVETRELINING!	0	0	0	0	0	0	. 0	ŀφ	0	,42	8
DE LOA	0	0	0	0	7	90	9,20	9,20	7,82	4,80	1,79
STEP	õ	ô	0	5	-	7.97	7.97	7.97	69,9	15,20	3,82
v) (0	6	1			5,09	1,23	1,23	123	9,50	1,95
TOTALCO LUES	אלר מרני היי	1.541	n a	9.1	40.00	76.40	9 4	76.0	60.0	7 .	
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 !	556	1,541	7,980	21,752	55,379	10	123,270	114,795	104,937	93,445	81,954
LIABILITIES TOTAL	1 :0	1,541	076*1	1 -	55,379	104,045	0.43	125,516	109,913	97,578	91,529
CAPITAL STOCK	2.08	2,743	14,005	40,127	87+767	125,434	5.43	25.4	25.43	125,434	1.4
VED BAR							-4.55	12,14	10.19	17	1 00 1 00 1 00
<u>.</u> ⊁-	268	2,743	14,005	40,127	87,767	125,434	120,878	60	115,239	125,606	131,319
	82	25	21,935	61,839	143,146	229,479	251,317	238+803	225,152	223,185	222,947
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PAGE 3 (87/02/13)

	C 4 SE 1 (CPERATION	Z 300 7	. 63.	80%, 94°	.65 1 195.	.84%					
•	1987	861	51	686		166		993	1994	995	199	1997
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ON S	0				0	0	0	9,220	- 43	17,369	-	7.35
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CAPITAL STOCK	•	2,4	11,	~	ō	.+	37,667	0	c	O	0	0
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(STEP2)	~			0	0	00	å	Ę,	310	0 0)) (0	0
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(STEP);	S		9) (000 %	8,611.1(03	0,35) ('0) (0	100	0
(STEP2) SHORT LOAN	-	01(511)		4391	•	7,844)(à .=	7,837)(9,147	1,649	- - - - - -	0.0
	1		1	1 1 1	1	1			1	1		
SOURCES OF FUNDS	928	3,461) 	ŧ	9,904	81.258	86.	34*447	18,330	21,375	28,313	294199
INVESTMENTS	383	3,46		1	39,904	81.258	85.333	23,975	0	0	1 1 1	
1 EP 3	1 808	2 4 6	_	83811	4139	5,81	Ň) (0	10	0	0
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ISTEP PLANT 1	_		_	5961(J.	47.	-	20,94110	0 0	10) (0	0
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NOT HE WORLD				0	o .	0	0	4.963	88	e CO	Φ.	œ
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Y	,			> (5 C	0	0					172
		; ; ;	į) 	0 !	0	0	5,316	3,437	2+559	2,155	0
APPLICATIONS TOTAL	60 H	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1 . 17.	701	394904	81,258	86,333	34,447	18,330	21,375	28,313	29.
							† 1 1 1 1 1	1 1 5 6		II II	il lt ' II II II	-
ASHFLOWIBEF. 14	-808	13	-17	434	39,07	19,06	1,55	7,05	0 0	4+60	2 3	5
CASHFLCH (APT. TAX)	O	•	.~ .	434	-39,071	-79,065	-81,559	~	15,011	24,603		'n
ASHFLOW (R.O.E	·O	-2	1	29	5115	5 4	7,56	O	റ		2 4 2	~

90 FINANCIAL STATEMENT DE BURNPUR HORKS (UNITELAKHS)

CASE 1 1 OPERATION DOWN '93.80% ''94.465% ''95.84%)

	1998	1999	2000	2001	2002	2003	2004	2005	200	2007	2008
SALES L GGG	95,061	1001	80,339	80,339	95,061	95,061	95,061	95,061	95,051	95,061	80,339
VARIABLE COST	49,370	49,370	1,52	41,523	9.37	7546	9,37	1 6	9,37	9,37	1 . 52
-	3.1,295	31,295	129	23	621	6 2 9	1,29	Ŋ	1,29	\$24	8
	18,075	18,075	15,229	2,48	φ,	ω,	18,075	18,075	18,075	ထ	15,229
EXCISE DULY	7,401	7,461	,27	27	446	446	4.46	4	4.6	4.6	27
30s	8,473	9,473	14	14	147	4.7	£ 4.1	4	14.4	25	1.5
EGEAF	2,038	2,038	7	7.1	608	903	•03	O	+03	±03	1,718
Udr	0	102	90	99	102	0	102	102	102	0	9 6
	78.651	284651	1 0	1 4		55	9 6		16.	١~	1 4
1 45.00	3.24	~	3.24	2	3.24	3.24	3,24	3.74	. 24		
DEPRECIATIONS	17,368	17,368	37,368	17,368	17,368	m	15,397	9			ı co
OZIZI JUK TUTO	404	406	4	4	0	4	.0	404	5	406	0
FIXED MATERIAL	6129	59245	61269	2	126	1.26	0	69219	425	61269	6,249
JIHER FIXED EXP.	1,368	1,358	•	1,368	٥	1,368	1,368	• 36	Ω	1,368	1,368
OPERATING COST	78,021	78,021	70,174	70+174	78,021	76,968	76,050	76,050	68+285	61,511	53,664
OPERATING INCOME	i m	17,039	10,165	10,165	17,039		19,010	19,010	26,775	33,550	26,675
INTEREST INCOME	9	195	162	6.5	32	6.5			162		162
INTEREST PAID	5,005	4,267	3,528	2,789	2,051	1,381	975	734	493	251	6.55
	O	0							O		Ö
SDF LOAN	2,423	2,181	1.940	•	1,458	1,216	975	734	493	251	5.5
(STEP1)	1,0511	94016	82911	11916	0	7,867	38711		1661	551 (6
TEP 2)	1,3721	1.2411	1,11116	a)	ŧ.	71916	m	45711	3273	1661	651
FOREIGN LOAN	2,582	2,035	-	0	0	165	0	0	0	0	o
i	7 7	0	7631	485) (0		6	ô	7 6	õ	ô
(STEP2)	1,265)	1,0451	8251	605) (တာ (165)()(0	0	10	î	ō
1.0.0.	t	0	O	O	0	0	O	0	0	0	0
(STEP1)	0	0 0	0.0	0	0	0	0.0	0	7 10	00	ô
(STEP2) (0	0.10) (0) (0) (0	010)(0).(6	310) (0	ô
INCOME BEFORE TAX	12,196		008 * 9	7,441	15,021	16,776	18,133	19,405	26,445	33.494	26,773
LOSS SPOUGH! FWD.	0	C	c					0	٠.	0	
TAXABLE INCOME	12,196	12,968	6.800	-	150051	16,776	18,133	18,406	4	33,494	å
JME 14X	6,095	5.484	40	3,720	.5	138	90	50	3+22	174	13,397
INCOME APTER TAX	860.9	6+484	071	172	선.	4 3 3	9 1	1.20	1.22	41.	9,53
ACCUMULATED INCOME	11,1983	18,467	8	5.5	.0	41,486	50,552	59,755	72,978	99,725	103,111
ti ts	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	0 11 11 11 11 11 11 11 11	******			16 16 16 16 16 16 16 16 16 16 16 16 16 1		II II	# # # # # # # # # # # # # # # # # # #

OF FINANCIAL STATEMENT OF BURNPUR HORKS (UNITILAKHS)

CASE 1 (OPERATION DOWN *93..804 , 194..65% , 195..84%)

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51,832	64.578	0 00	,	7014	200	6,140	58,31	7,40	70	6,695
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19645	1011	n '		ۍ <u>د</u>	9.0	ው ነ	op (ው የ ው ነ	ው ነ	m 1
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5.24	270.5	, ,	,		2 6	• ^	4 6	9 .	֓֞֜֜֝֓֓֓֓֜֜֜֓֓֓֓֓֜֜֜֜֓֓֓֓֓֓֡֜֜֜֡֓֓֓֓֓֡֓֡֜֜֡֡֡֡֡֡	Ô٢
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65,739	78,535	94.	0,78	8 57	7.63	7 1	2,27	94,54	13 0	. + 1
5,737		173	5 , 73	5.73	5,73	3	5,73	5 1 7 3	5,73	
12,613	12,129	1,64	57.	0.67	0,18	7.0	121	7.3	*24	
115,130	101,029	9195	383	8.72	4,62	52	542	49	104	٠,
44466	4,187	90	• 62	34	, 05	9	• 50	-22	4	1,570
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2005	3 885	76	6.5	J.			0	0	0	0
		. 34	0 1	127	174	2.	1,685	1,593	105.1	
152,150	134	117,414	100,046	82,678	66,363	50,966	35,570	27,938	27,080	26, 223
217,939	213+317	8	10 1 10 1	1,25	3,98	1	07.84	22.47	[[6] . 1 . 	i : = :
3,951	3,961	'n	34	3,96	3.96	3.96	1 (c)	1 0 1 0	1 0	11 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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10,059	44.	6,747	Q I	110471	12,349	13,027	13,164	17,183	20 • 708	16,734
2,233	2,639	•	Ö	609	10,	1 4	82	1 (4	1.69	1.421
29,776	25,760	•	772	7.1	69	. 🕠	566	10	63	-
1 12,44216		9.677)(\$ 24	9.3	53	_	\$ 76			0
16,33416	14,7011	3.0	143	99	1.6	S	99	. 26	m	0
39,484		1,6	, 81	92	Ö	0	0			0
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7!	t 1	1,73	3.85	3,92		0) (0	0	0	0
0-46	æι	5,85	2,174	1,25	4 + 71	10	265.6	6+882	41272	1.421
90,522	69,416	5	9 • 90	32,722	27,061	112	22,656	24,066	24+980	18:155
125,434	125,434	4	5,4	5,43	5,43	5,43	5,43	5 4 3	5.43	
137,417	143,901	ω α	200	9,00	1,48	5,99	9,75 5,18	2,97	5,12	228,545
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	# # # # # # # # # # # # # # # # # # #	H (4)	0 H	1167	10 00 00 00 00 00 00 00 00 00 00 00 00 0	0 % + 1 m	7,84	222,477	240+139	246,700
	11	11.0998 12.0002 13.0002 14.0002 15.0002 16.0002 17.0002 18.0002 18.0002 19.0002 10.	2, 23 2, 639 1, 642 40, 885 2, 639 1, 642 40, 885 2, 639 1, 642 40, 885 2, 639 1, 642 40, 885 2, 642 40, 642 41, 642 4	2001 2,233 2,639 1,421 2,639 1,421 2,639 1,421 2,639 1,421 2,639 1,421 2,639 1,584 1,339 2,432 2,643 2,6	1998 1999 2000 2001 2002 2002 2002 2002 2002	1998 1999 1999 1,421 2002 2003 2,639 1,421 2,639 2,639 1,421 2,639 2	1998 1999 2000 2001 2002 2003 2004 2005	1998 1999 2000 2001 2002 2003 2004 2005	1996 1999 2000 2001 2002 2009 2004 2005 2006 2005 2006 2005 2006 2005 2006 2005	1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2003 2004 2005

CASE 1 1 CPERATION DOWN '93..80%, 94..65%, 95..84% '9

PAGE 6 187/02/13)

(1998	6661	2000	2001	2002	1 1 1	000	2005	2006	2002	2008
TE REFOR	12,196	12+968	6,80	7,441	15,021	16,77	18,133	18,406	26,445	33,494	.~1
DEPRECIATIONS	17,368	36	-	17,368	7,36	6131	99	-	7,632	657	857
SEL IN ING	905	404	404	40	O	406	0	406	O	406	0
RELEASE(RELINING)	0	0	1,624	1,624	o .:	0	0	0	0	0	1,624
CAPITAL STOCK	0	0	0	ပ	0	0	O.	0	o	0	a
(STEP1)	3(0	0	i ô		õ	0	10	ô	5	ô	ō
(STEP21	270	10	30	0	6	10	3 0) (0) (o) (0	ô
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SUF LOAN	o	0	0	0		O	0	O	o	0	-
(STEP1)) (0	70	0		1.0	- - - -	õ	50	6 .) (0	Ĝ.
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FOREIGN LOAN	0	0	o ,	0	0	С	0	0	0	C	0
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STEP) (0	100	0	010	0) (0	10) (0) (0	0)(0	0
		0	0	0	0	0	0	0	0	o	o
SOURCES OF FUNDS	29,971	30,742	26,198	6,83	32,795	1 (1)	.33,936	34,209		34,757	29,660
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REPAY SOF	_	3,016	101	ō	10.	Ö	3,016	3,015	-	3,015	1,633
(STEP1)	1,3821	1,38211	1,38211	+ 36	1,3821	38	, 3.82	1,382) {	1,3821	-	
STEP21	63	1.46331	69	\$63	n	63	1,6331:0	-	~	1,6331	1:633)
Σ.	99	3, 991	e e	8		4 92	0	0	0	0	0.
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>	0.00	400	\$ 0	\circ	9.0	404	406	406	406	406	904
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	1111111111111		1 1 1 1 1 1 1 1 1 1 1		1						
APPLICATIONS TOTAL	29+971	30,4742	26.198	26 + 839	32,795	33,497	33,936	34,209	34,483	34,757	29,560
					i i i			1 1 1	1 1 1 1	! !	
ASHFLO. (8	κĴ	34,602	9.78	7,59	213	4,47	34,505	.5	4,57	4	~
ASHFICHER	•	50	23,297	24,198	28,634	ው	26,11.7	25,471	25,366		
CASHFIDME R.O.E.	11,955	12,340	187	5.	4+6	8,53	22,126	1,72	2,85	18,112	1 a 13
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OF FINANCIAL STATEMENT OF BURNPUR HORKS (UNITELAKHS)

CaSE 1 (OPERATION DOWN '93. 80%, 94. 65%, 95. 84%)

2010 0, 339 0, 339 0, 294 1, 523 1, 295 1, 295						
### COST		6002	2010	2011	2012	TOTA
### COST	\$1.55 L	90,339	95,061	95,061	190,89	+736+31
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SCETATIONS	BLLING EXP	5,22	9.07	101	8,07	59 + 56
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THER FIXED EXP. 1,368 1,368 1,368 27,24 RATING COST 53,664 61,511 61,511 1,349,60 RATING INCOME 26,676 33,550 33,550 386,71 EREST INCOME 65 32,550 33,550 386,71 EREST PAID 0 0 0 0 0 2,15 HORI TERM LOAN 0 0 0 0 0 2,15 STEP1) (0)(0)(0)(13,15 STEP2) (0)(0)(0)(0)(0)(0)(13,15 STEP2) (0)(0)(0)(0)(0)(0)(13,15 STEP2) (0)(0)(0)(0)(0)(0)(0)(0)(0)(IXED MATER!	326	26	126	26	22.48
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NCOME 26.741 33.592 33.615 33.647 306.91 TAX 13.370 16.791 16.807 16.824 166.90 ER TAX 13.370 16.791 16.807 15.824 166.90 D INCOME 116.442 133.273 150.080 166.904	LUSS EROUGHI	0	0	o	0	25,89
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AA FINANCIAL STATEMENT OF BURNPUR HORKS (UNIT:LAKHS)

CASE 1 1 OPERATION DOWN *93...80% 194..65% 195...84% 1

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. PINANCIAL STATEMENT OF BURNPUR WORKS (UNIT:LAKHS)

CASE 1 | OPERATION DOWN "93..807 ; 94..65% , 95..84% "

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	AR REFURE TAX	CIATIONS	Ē	RFLEASELRELINING)	TAL S	(STEP1)		(CLD PLANT)	SOF LOAN	(STEP1)	(STEP2)	FOREIGN LOAM	₽.	(A)	SHORT LOAN	SOURCES OF FUNDS	INVESTABLIS	STEP1 P		(STEP2 PLANT)	tred	(010 2	vo.	G.	(STEP2)	; ح		(S1EP2)	RELINING	138)37435	PAY SHO	SEES	×	MORKING CAPITAL	APPLICATIONS TOTAL		(こったおりしてりごんてんせん	• (CANHFIOM K.O.E.

1.A.A. (447) = 8.895 %

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o	00.0	508.00	3402.00	7434.00	9071.00	9065-00	1559.00	17058.97	5011.01	4603.06	2350.01	4537.19	4569.67	4602.15	9781:16	7598.23	2354.27	4472-23	4.504.71	4537-19	4569.67	34602.159	9781.16	7598.23	2354,27	++72=23	7230 47
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87/02/13 CASE I (OPERATION DOWN

(3) Sensitivity Analysis Case-4-1

GO FINANCIAL STATEMENT OF BURNPUR ADRKS TUNITILAKHS!

PAGE 1 (87/02/13)

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	CaSE 4-1	I MANUFACT	UR.COST 1	0x UP 1							
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JLD PLANT	0		0	•	1	9 20 30 30 30 30 30 30 30 30 30 30 30 30 30	١0	7,525	6,995	6,464	5,93
FIXED ASSETS	728	4.284	21,985	61.889	143,146	229,479	241,147	iΝ	204.255	196.886	169.51
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ASSETS TOTAL	サウル サウル 11 11 11 11 11 11 11 11 11 11 11 11 11	4,284	289412 100000000000000000000000000000000000	61+889	143,146	229,479	253,037	248,526	m .	235,943	228,98
ACCOUNT PAYABLE	0	0	0	0			1,955	3.96	3.9	3.96	9
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CURRENT LIABILITIES	0 1	0 1	0 !	0	0 !	0	0 1	6:129	7,370	7+723	9,10
RESERVE(RELINING)	O	o	0	0		0	0	0	0.1	4	Œ.
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ب د سه	556	1,541	တပ	476	2,54	6.0	3.35	4.07	9.09	7,12,	m 0
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LIABILITIES TOTAL	556	1,541	7,980	21,762	55,379	104.045	129,220	120,924	112,307	101,169	90.06
14L STU	2 o s		00		70	5.43		5,43	4.3	5.43	125,43
ROLLIY	5 5 6 6 6	2.743	14.005	0 07	87.707	175.434	-1,617	2,168	5,578	9,340	39.48
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LIABILITYAEQUITY	824		21,985		143,146	229+479	253,037	248,526	243,319	235,943	228,98
		***************************************))	,	######################################	11 11 11 11 11 11 11 11 11 11 11 11	机线用作用作用作用用	********	PRODUCT BUILDING	# # # # # # # # # # # # # # # # # # #	VIII DE HEIL

80 FINANCIAL STATEMENT OF BURNPUR HORKS (UNIT: LAKHS)

CASE 4-1 (MANUFACTUR.COST 10% UP)

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(STEP2)			011	3.6			5+09	16,13710	3.10	3.00	0.00	ô
FOREIGN LDAN		556	986	443	-	93	• 33	9	0	o	О	O
w		556)(11525	1100019	63.1	3,03	0.8		6	0) (0	î	ô
15169	_,	ī. 0	5111	4391(7	8	14B	7,837.11	0	710) #:O	60
SHORT LOAN			0	0	0	0	o ,	0	0	0	0	0
SOURCES OF FUNDS		924	3,461	7+701	39,904	1,258	86,333	35,776	23,728	24,593	25,299	26,07
INVESTMENTS	H H H H	11 12 13 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	3,461	. 0	1 O	1,258	ii II II m	23.975	n n n n n n n n n n n n n n n n n n n	u អ អ	的 好 好 明 明 明 明 明 明 明 明 明 明 明 明 明 明 明 明 明	
(STEP1 PLANT)		808 11	•	16,8381	~	8	2,78		70	10	0 0 0	ā
	_	1616	144)	2261(•	1,63	3,29)(0	0.00	0	0	â
(STEP2 PLANT)		270	7481	11965	14,6741	124	13	96) [0	0	70	â
		0	141)(15	1981	56	14.	3,034)(0 0	0	10	6
1000 PL	~	016	010) (0	1 (0	6	7.		310	0	0	Ö
REPAY SOF		0	0	o	ဂ	0	0	0	0	_oo	,015	ä
(STEP1)	÷	<u>.</u>	6	10	ô	~ 60	100	0.00) (0	ω,	w.	(B)
(SIEP2)	_	-		õ	0) (0	0	0 1	õ		±63	Š
REPAY FOXETON		0	0	0	0	0	o	4+953	æ	8.881	88	8
			0	00	0	õ	10	'n	4195316	49.5	Ω,	4:9531
51 EP 23 5 G. 21 E.C.	_	5 6	6	0	200	10	10	200	32	3,928)(.92	92
ひょうきん ログログロ マン・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・		5 (5 (ο (O (0	0		0	0	0	
12 10 X 10		ه د	5 (> (> (0	0	203	4	404	404	404
- !) (5 (> (0	0	0	3,995	•	0	0
הארווטט רפטון		> () (יפ	> (Ö	O	0	162	11,755	9 5 5 8 6	10,004
) (5 (5 (o 1	0	0	O	o	• 15	O	175
MORKING CAPITAL	1	0	0	0	0	0	0	6+645	6,821	0	0	
APPLICATIONS TOTAL	; ; ; !	824	3+461	17,701	39,904	81,258	86,333	35,776	23,728	24,59	25,29	26,0
	! ! !	1 1 1 1 1 1 1 1	; ; ; ; ; ;	t 	1	10 10 10 10 10 10 10 10 10 10 10	11 11 11 12 13 14	0 0 0 0 0 11 11 11 11 11 11	1) 41 41 41 41 10 11 11 11 13	W H H H H H H H H	H H H	() () () () ()
CASHFLOW (BEF. 18X)		808	FO 6	F- 1	6	79,0	91.5	15,56	4.8	1 + 34	 •	1,40
CASHFLON (AFT. TAX)		a) 4	9,40	7,43	39,07	79,06	55	ſ,	24+489	29,174	27,966	27,645
CASSFIGSE R.O.B.		-2 ö B	14.1	5	5 1 2	49	7,56	0	ŧ 62	1 + 75	9.5	0,00
												•

** FIMANCIAL STATEMENT OF BURNPUR HORKS (UNIT: LAKHS)

CASE 4-1 (MANUFACTUR.COST 10% UP

	1998	6661	2000	2001	2002	200	2004	200	200	2007	202
Sales		11 Or 1 11	90,339	60,339	95,061		190'56	95,061	95.061	95,061	80,339
	92,500	52,500	4	44,153	52,500	52,500	ō	52,500	52,500	52,500	1.4
	34,425	34,425	22	Ċ.	24.45	4,42	4,42	715	4:42	4.4	42
SELLING EXP.	18,075	18,075	5,22	5,22	8,07	8 07	8,07	က ကျ	8,07	0	15,229
	7,461.	4.0	~	Ċ.	46	91	9	4	45	4	2
i Co	8,473	4	4	4.	447	47	7.5	4	4.67	4	4
m m m	2,038	2.038	-	٠-	o.	S	S	ā	Ş	o_	~
Jen	201	0	80	86	0	0	102	102	0	102	98
TACA CAXIN	28.651	78.651	1 (. 4	1 4	1 7	1 6		0	* 	-
, act = -	4,74	7	, ,	, ,		. ~	7.7	, ~	7.	, ,	• ^
OFFICE LATIONS	17.368	17,368	7.368	17,368	17.368	16,315	15,397	15,397	7.632		•
0.7.1.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	.90%	406	9	-5		0,4	0,7	•	്വ	a	707
FIXED WATERIAL	6,269	6,269		N	2	- 40	40	\$,269	4	6,269	6,1269
DIHER FIXED EXP.	1,368	1,368	1,368	1.368	1,368	90	9.0	~	36	36	
OPERATING COST	1,15	81,151	72,804	72,804	31,151	860.08	79,180	79.130	71,415	059 59	56,293
OPERATING INCOME	6	13,910	7,536	7,536	13,910	14+963	15+881	15,881	23,646	٠ -	
INFEREST INCOME	291	0.	0 1	0-1		.40 ∶	26	<u>ا س</u> ا		195	162
INTEREST PAID	5,005	4,267	3,528	2,789	2,051	1,4801	918	734	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	251	55
	Ó	0		•		١.,		ι		٠-	ò
	2,423	2,181	.*	1,699	1,458	1,216	₽~	. 143	663		
(STEP1)	1,05131	940) (C)	71316	O	49811	38710	27611	1661	N.	6
_	۴~	1,241)	***	9501	4	21617	œ	S	2	1961	551
FOXEIGN LOAN	2,532	2,085	a)	1,090	o.	165	0	0	: O	0	0
;- (f ~ (1,0401	763)[48510	208)(0	010	00	110	õ
(S)EPZ	}(<9741.)	1.0451	NI) (509	a) I	1651	160) (0	0	ô	ō
 	O	0	0	O	0	0	O	0		c	i Ċ
(STEP1)) (0)	0	0.0	0	100	ō	10	- (c	50	1.10	ō
(S1692)	100) (0	ō	0.0	110	110	0)(0	0) (0	310	0.0	ô
×	740.6	9,838	4,170	4,812	11,892	13,646	15,003	15,277	23,316	30,364	24,144
LOSS BROUGHT FUD.	С.	O	· c	o	Ö	0	0				
TAXABLE INCOME	4,067	850°6	4+170	4,812	ø	9	15,003	2	6	04.36	
	4,533	61615	œ.	O	4	6 4 9 2 3	7,502	7,638	UΛ	15,162	12,072
INCOME AFTER TAX	4.533	4.919	90	04.	561	32	00.	69	1.65	5 113	12,072
ATCUMULATED INCOME	18,02	22,941		27,432	33,377	40, 201	47,702	55,341	964.99	82,181	94,252
,	P	000000000000000000000000000000000000000	H (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	***************************************	11 13 48 48 48 48 48 48 48 48 48 48 48 48 48	# # # # # # # # # # # # # # # # # # #	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H D H H H H H H H	

OB FINANCIAL STATEMENT OF BURNPUR MORKS (UNITALAKHS)

CASE 4-1 1 MANUFACTUR. COST 10% UP 1

	1998	6661	2000		2002		500.5	2005	8	2007	
	144 145 145 1 7.733	,	1.421	1 O	(⁷)		***************************************	H 1		#	1.471
ロングエース・コルタし	792	792		699	0	6	5) r	١.	0	4
EXCESS CASH	45,359	56 1 1 34	1	71,139	0	. 50	•	-	0	٠,٠	1.88+011
ACCT. RECEIVABLE	7,922	7 + 9 2 2	616	69	7,92	0	7.92	6.		26.2	4
	56,30	67,487	71,727	78 - 707	93,333	8	12.		173,039	189,993	69
FINISHED GOODS	3.9	3.961	1 4		96.	0	3.961	10	3.961	1 6	1 .
ADSX + IN + PROCESS	1.534	00	-	60	10	3	i or	i ii	, oc	o o	۲,
MATERIALS, SUPPLIES	3.159	3,169	67	194	16	97	9	9	,		1,4
	5,243	5 1 2 4 3	5,243	~	1.	5;249	5,243	51.243	· 1/4	5,243	101
1		1 1	1 1		1 1	1		ļ.	İ		1.
CONTRACT ANNUAL N	70,263	61 4444	84,335	91+314	107,290	124,767	145,734.	166,297	186,996	203:950	2101304
	5,737	5.473	5 , 7	5,73	5,73	73	5,43	5,73	173	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i -
2.30(101)055	12,613	12,128	10	5.1.5	0,67	10, 186	. 70	121	17.	• 24	7.750
3.XACTIVER		101,029	6192	S	7.2	44,625	30,524	2	ý	•64	3
NU 1 U 1 U 7 * 5	4,466	4,187	σ.	0	~1	ġ	7	مَ	5	656.1	٠
	•) () ()	. (0	0	ο ·	0		0
6. TXE-UPERAL. EXP.	÷ (15647	2,093	٠, د د	100 t	с	0	0	p	0	o
	2004.5	 	0	0 0	4	i					
יים איניים	5 1	4.871	J I	0 :	~ i	2,747	2,216	1,685	1,593	105.1	1,408
FIXED ASSETS	152,15	132	117,414	100,046	82,678	66,363	996*05	35,570	27,938	27,080	26,223
ASSEIS TOTAL	222+413		201,749	191+360	189,968	191-131	1964701	201,865	214,933	i - 1	236,527
COUNT PAYABLE	3,961	3,961	3,34	34	3.9	96	4.0	1 40 4	4	1 0 c	יו רי יו רי
ERVE FOR	4 + 533	4.919	2,085	0	5,946	à	7.502	٠ ﴿			٠.
SHORT LOAN	o	0					1)	2	1	, ,
CURRENT LIABILITIES	94494	086,8	5,433	5,753	9,907	10,784	11,462	11,599	154619	19,143	15,419
RESERVE(RELINING)	23	2,639	12541	0	609	01	1 4	1.827	. 2	1 (1.551
SOF LOAN	28,776	25	۲.	19,729	17.	69	10,581	4	1 40	9 0	
(STEPT)	12,44211		9	5 2	91	• 53	4	• 75	ω 0		6
(51572)	16,334)(14,701)	13,0673		9,60011	16	53	.90	N	1,6331	ô
NACH NOTES	39,454		1.69	ص ر د	o	0	o	o.			ဂ
COUPO	11278161	4 L) } }		(ō	0	¥ 0 ·	7 60	5
2 L L L	70,463	58.972	45,857	32.743	31,250	14-712		`			
		۱,		-	1	•	701471	7444	288.0	4.512	1.46.1
LIABILITIES TOTAL	78,957	67,352	51,289	38+495	31,157	25,496	23,564	21,091	22,501	23,415	
APTIAL STUC	4	*	5,43	5,43	5.4	5,43	5+43	S	125,434		125,434
REFAINED CARNING	19,022	140,52	920.52	27,432	33,377		47,702	55,341		82 + 1	94,25
4	·	1	- 1		· i		2112	- 1	7 1 2	9+2	0 1
LIAPILITYAEQUITY	222,413	216,226	201,749	191,360	189,908	191,131	196,701	201,366	214,933	231,030	236,527
					1		8 10		************	11 H 4 H 11 H 11 H 11 H 11 H 11 H 11 H	10 10 10 10 10 10 10 10 10 10 10 10 10 1

PAGE 6 (37/02/13)

	CASE 4-1	MANUTAL I	LOK TEDS I ROA	- LO					.*		
	1998	6661	2000	2001	2002	2003	5002	2005	5002	2007	2008
900 C / F 000 INCOME BEFORE TAX	н п ~ 9	11. 11. 11. 60	**************************************	1.84.45 1.84.45 1.84.45	11,39	13,64	0151	15,277	316	1 5	1 4 5 2
049980141104S	17,368	9.0	17,368		~	16+315	ar c	5 39 0 4		10.0	u c
つい アンコング・レーロン アンコン・レーロン アン・レストー しゅうしい マレーロン	•	9 O	1,624	1,624	•	20	١.	90	0		w
Capital Stock			O	,	O	0	0	0	0	0	
(SIEPI))10	770	011	100	160	0	00	1 60	100	310	ô
(STER2)	100	100	1 (0	0	0	ô	₹0	• • • • • • • • • • • • • • • • • • •	6) [0	5
IOLO PLANTI) (0	3 60) (0) (0	ō,) (0	õ	ô	50	0	õ
SOF LOAN	o :	0	, o	0 0	0 6	0 0	0 0	<u>.</u> د د	0	0 0	٥ ō
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240 - 20 un Cu		5 0	- - -	5 c	o c	- - - -	- - -		- - -		5 c
		0 0	0	> TO	000	, 6	0	000	6	010	Ö
i di)(0	3 60	0) (0	50	0	270) (0	100	000	ô
07	0	O	0	0	0	0	o , ,	0	0	o .	Ò
STURCES OF FUNDS	26,841	i N	3,568	24,210	29,65	30,367	30, 306	31,080	31,354	31,627	27,03
	10 10 10 10 10 10 10 10 10 10 10 10 10 1			11 11 11 11	16 16 18 18 14 14] 1 4 1					lŧ .
(STEPI PLANT	0	010	0 3 6) (0	710	0	0) (0	0	100	ô
1.0.C.1) (0	3 (0	100	ô	0) (0	õ) (0	3.50	310	ô
(STEP? PLANT)	100	0	0	10	01(0 (0	0) (0	0		ő
) (O)		10		- 6) [0	100	7 fo) (0	ô
TOTO ME			10					310			
REPAY SOF	-0	3,016	34016	₫.	10	5.	o ·		016	3,016	1,633
I LEB I	2	ا	1+38216	ίω 30 ι	m m		m. •	1,3821	ر م	w.	
1545151	1,533)(1:6331	1,63310	Ő.	6	1,633)(1,633)	1+6331(m	. P	1,633)
AGE ACT RONGEON	സം		A. 38.1	α. α.	ന	926	0		0	О	O
STEPT	(4,9531(4,4531	4 9531	4.9531	ران س د	0	ô	0	ô	0	ō :
	^1	3,4229	3.928.1	Š.	O.	3132816	100	<u>.</u>	ò	100	•
A POLICE IN	4	(570-1	ă (- (•			- (11024
> :	9. 0.0	0 3 3	Э	•	404	0 0 0 0) ()	4 5 6 6	9 0 1	404	9 0 0
ていてい いっぱん	6		g	-	. 0		. 4	Ų.	.0	7	
3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C - 4 C - 7	3 0	- 40	3 4	,) i) (u h	404	04740	- a
HORKING CAPITAL	•	-	-2,085	•	2,085		2	-	-	0 •	-2.035
APPLICATIONS TOTAL	26,841	27,612	23,563	24,210	29,666	30,367	30,806	31,080	31,354	31,627	27,031
	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 17 18 11 11 11 11 11 11 11 11 11 11 11 11	H	11 11 11 11	11 11 11 11	1) () () () () () () () () () () () () ()	11 11	11 11 11	11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11 11 H	;) .ti 1;
							:	:		٠.	
ASHFLOWISER	31,440	31,473	5	9.5	5 5 t	1,34	1 37		1,44	2743	7,15
CANTILON (ART. TAX)	27,292	26+939	22,233	Ž.	26.819	25,397	24,552	23,906	23,802	19,815	11,970
BSHELDAC R.	10,390	10,775	. 80	۵.	2 n 7	7,07	9510	ô	0129	6 + 5 4	0+27

** FINANCIAL STATEMENT OF BURNPUR JORKS (UNIT:LAKHS)

CASE 4-1 (MANUFACTUR, COST 10% UP

			51.5	95,061	76
ARIABLE COST MANUFACTUR. COST SFLING EXP. EXCISE DUTY SOP EGEAF JPC LXED COST LABOR OFFRELINING FIXEU MATERIAL		4444	2,50	2,50	1 (
SANUFACTUR.COST SFLLING EXP. SOF SOF SOF SOF SOF SOF SOF SOF SOF SOF	1416600441814000111111111111111111111111	4 * 4 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	•		90,29
SELLING EXP. EXCISE DUTY ESGEAF JAC LABOR	1 0 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	8,07 7,46 8,47	4,42	4+42	19
EXCISE DUTY SOF EGEAF JPC LXED CUSI LXED CUSI OFFRECIATIONS B.F.RELINING FIXEU MATERIAL	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	34¢	8,07	8,07	40,09
SOF EGEAF JPC IXED CUSI LABOR	101 101 111 111 111 111 111 111 111 111	141	446	7 * 46	65105
EGEAF JPC IXED CUSI LABOR OEPRECIATIONS B.F.RELINING FIXEU MATERIAL	3411 3411 411 411 411 411 411 411 411 41		141	147	59,37
JRED CLOSI LABOR OEPRECIATIONS B.F.RELINING FIXEU MATERIAL	34.1	ç	ő	03	9,30
IXED COSI LABOR OEPRECIATIONS B.F.RELINING FIXEU MATERIAL	3411 3411 101 36034 101 36034	O	102	102	1641
ABOR EPRECIATIONS FRELINING IXED MATERIAL	2 4 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1	114	, ,,	77.4	8,50
EPRECIATIONS FREEINING IXEO MATERIAL	6 1 2 1 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4	7	3 + 2 4	65,43
FREEINING IXEC MATERIAL	6 1 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	. 758	957	85	4
IXEC MATERIAL	61.36	О	О	O	7,91
	4,36	6,269	6,269	9	2,48
THER FIXED	52.1	• 36	136	136	7,24
GPERATING COST 5	t 	. 64	1 1	4 6 4	110
UPERATING INCOME 2	14044		30,420	īÑ	1 47
ALEREST INCOME	\$5	i :	•		2,022
FREST	0	0	0	0	150
± 2	0	0	0	0	ŝ
0F LO	0	0	o	0	8.5
d d	6) (c	0	6	3,15
(STEP	0) (0	0 1 (- 6	5,69
FOREIGN LOAN	O	0	O	0	0.9
a. H	010	ô	100	0 0	.4
E P	160) (0) (0	0 10	
	0	0	0	0	11
Ś	0	0	110	5	40
STER) (0	3 (0	70		5,32
X V II W W D W III C W X X	24,112	30,453	30,485	30,518	0.4
LUSS SROUGHT FRU.					1941
BLE INCOME	4.11	0,45	0,48	0+51	02,45
41 WXOOZ	2,056	15,226	15,243	15,259	ě c
	2 1 2 2	771	5 1	246	0

* FINANCIAL STATEMENT OF BURNPUR HORKS (UNIT:LAKHS)

CASE 4-1 (MANUFACTUR, COST 107 UP

2 TOT	4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2684	737 737 751 751 00 039 791 794	1111 1111 1111 1111 1111 1111 1111 1111 1111	421 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	34
20	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	27.5	7 4 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		200000000000000000000000000000000000000	20.5
· 5	2 3 1 1 2 2 3 2 4 4 4 9 6 2 2 3 2 4 4 4 6 2 2 3 8 6 2 2 3 8 6 6 2 2 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6	-	L 0 4 B C C C C C C C C C C C C C C C C C C	14 1 4 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	10.01	262.77
	n - + + 1 +	1	5,737 6,789 9,689 9,68 1,11 0 0 0 1,22 4,50	6,765 ===== 3,961 5,226 9,187	0000000	1255 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
5009	1000001K		5,737 7,274 9,648 1,390 0 0 1,316 25,316	7 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15,606 125,434 106,308 231,742
	CASH-IN-HAND CASH-IN-HAND EXCESS CASH ACCI. RECEIVABLE LIDUID ASSETS	N	1.LAND 2.aU(IDINGS 3.MACHINERY 4.VEHINERY 6.PRE-QPERAT. 7.L.D.C. 0LD PLANT	SETS TOT ACCOUNT RESERVE SHORY LOURRENT L	RESERVE (RELINING) SOF LOAN (SIEP) (SIEP2) FOREIGN LOAN (SIEP2) (SIEP2) FIXED LIABILITIES	LIABILITIES TOTAL CAPITAL STOCK RETAINED EARNING E-UNITY

** FINANCIAL STATEMENT OF BURNPUR WORKS (UNITELAKHS)
CASS 4-1 | MANUFACTUR.COST 10% UP

1	5003	2010	2011		TOTA	
	! -	II 6	1 0	1 6	H (
マロン あんしつ	-1 ! -4 !	1		210.00	ĵ	
TPRECIPTION	ŝ		ŝ	'n	25,41	
*F.RELIMI	904		O	O	6	
ELEASERREL 1	1,624	0	0	0	440	
APITAL ST	0	0	0	0	5,43	
48,	10	0	50	5	1,55	
ብ ሞ	160	î) (0	6	119	
0	10	3 60		00	8,58	
	O	0	0	0	39,206	٠
STEP	100	5) (O	0.10	7,97	
du LS)(0	6	110	0	£ 23	
_		0	0	0	3.81	
SIEP)(0	100	0	5	9,52	
(STEP2)	-	0	0	0 } {	ŒΊ	
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SOURCES OF FUNDS	26,999	16	31,749	31,781	801,35	
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