

[illegible]



10	WHR Power generation in Blast Furnace Plants	Annual	MWh								
11	WHR Power generation in Calcining Plants	Annual	MWh								
12	WHR Power generation in Steel Melting & Casting Plants	Annual	MWh								
13	WHR Power generation in Wheel Mills	Annual	MWh								
14	WHR Power generation in Blooming Mills	Annual	MWh								
15	WHR Power generation in Slabbing Mills	Annual	MWh								
16	WHR Power generation in Billet Mills	Annual	MWh								
17	WHR Power generation in Light Merchant Mills	Annual	MWh								
18	WHR Power generation in Medium Merchant & Structural Mills	Annual	MWh								
19	WHR Power generation in Rail / Beam / Section / Heavy Structural Mills	Annual	MWh								
20	WHR Power generation in Axle Mills	Annual	MWh								
21	WHR Power generation in Skelp Mills	Annual	MWh								
22	WHR Power generation in Merchant Mills	Annual	MWh								
23	WHR Power generation in Bar & Rod Mills	Annual	MWh								
24	WHR Power generation in Wire Rod Mills	Annual	MWh								
25	WHR Power generation in Light Structural Mills	Annual	MWh								



26	WHR Power generation in WHR of Plate Mills	Annual	MWh								
27	WHR Power generation in WHR of Hot Strip Mills	Annual	MWh								
28	WHR Power generation in Compact Strip Mills	Annual	MWh								
29	WHR Power generation in Cold Rolling Mills	Annual	MWh								
30	WHR Power generation in Pipe Mills	Annual	MWh								
31	WHR Power generation in Silicon Steel Mills	Annual	MWh								
32	WHR Power generation in Oxygen Plants	Annual	MWh								
33	WHR Power generation in Producer Gas Plants	Annual	MWh								
34	WHR Power generation in Auxiliary Plants	Annual	MWh								
B.2.5	Through Pressure Recovery Turbine (PRT)										
1	PRT Capacity	Annual	MW								
2	Annual Generation	Sum(B.2.5.4 : B.2.5.7)	MWh								
3	PRT Running Hrs	Annual	Hrs								
4	PRT Power Generation in BF Plants	Annual	MWh								
5	PRT Power Generation in Oxygen Plant	Annual	MWh								
6	PRT Power Generation from steam from Boilers (not included in other Plants / Mills)	Annual	MWh								
7	PRT Power Generation from steam in Power Plant	Annual	MWh								



8	PRT Power Generation from others	Annual	MWh							
B.3	Total Own Generation of Electricity	B.2.1.2 + B.2.2.2 + B.2.3.2 + B.2.4.2 + B.2.5.2	MWh							
C	Solid Fuel Consumption									
C.1	Non-Coking Coal (including Anthracite, Lignite etc.) & Petro Coke									
1	Total Quantity Non-coking Coal & Petro Coke Received at DC's Premises	Annual	Tonne							
2	Yearly Opening Balance of Total Non-coking Coal & Petro Coke Stocked at DC's premises	Annual	Tonne							
3	Yearly Closing Balance of Total Non-coking Coal & Petro Coke Stocked at DC's premises	Annual	Tonne							
4	Total Quantity Non-coking Coal & Petro Coke Sold	Annual	Tonne							
5	Total Quantity Non-coking Coal & Petro Coke consumed in DC's premises	C.1.1 + C.1.2 - C.1.3 - C.1.4	Tonne							
6	Total Quantity Non-coking Coal & Petro Coke Consumed in Coke Oven Plants	Annual	Tonne							



7	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Coke Oven Plants	Annual	kcal/ kg							
8	Total Quantity Non-coking Coal & Petro Coke Consumed in Pellet Plants	Annual	Tonne							
9	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Pellet Plants	Annual	kcal/ kg							
10	Total Quantity Non-coking Coal & Petro Coke Consumed in Sinter Plants	Annual	Tonne							
11	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Sinter Plants	Annual	kcal/ kg							
12	Total Quantity Non-coking Coal & Petro Coke Consumed in Coal-based HBI/DRI Plants	Annual	Tonne							
13	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Coal-based HBI/DRI Plants	Annual	kcal/ kg							
14	Total Quantity Non-coking Coal & Petro Coke Consumed in Corex Plants	Annual	Tonne							
15	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Corex Plants	Annual	kcal/ kg							



16	Total Quantity Non-coking Coal & Petro Coke Consumed in Blast Furnace Plants	Annual	Tonne							
17	Average Net Calorific Value of Non-coking Coal & Petro Coke charged / injected in Blast Furnace Plants	Annual	kcal/ kg							
18	Total Quantity Non-coking Coal & Petro Coke Consumed in Calcining Plants	Annual	Tonne							
19	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Calcining Plants	Annual	kcal/ kg							
20	Total Quantity Non-coking Coal & Petro Coke Consumed in Steel Melting & Casting Plants	Annual	Tonne							
21	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Steel Melting & Casting Plants	Annual	kcal/ kg							
22	Total Quantity Non-coking Coal & Petro Coke Consumed in Blooming Mills	Annual	Tonne							
23	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Blooming Mills	Annual	kcal/ kg							



24	Total Quantity Non-coking Coal & Petro Coke Consumed in Slabbing Mills	Annual	Tonne						
25	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Slabbing Mills	Annual	kcal/ kg						
26	Total Quantity Non-coking Coal & Petro Coke Consumed in Boilers (not included in other Plants / Mills)	Annual	Tonne						
27	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Boilers (not included in other Plants / Mills)	Annual	kcal/ kg						
28	Total Quantity Non-coking Coal & Petro Coke Consumed in Power Plants (ST)	Annual	Tonne						
29	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Power Plants	Annual	kcal/ kg						
30	Total Quantity Non-coking Coal & Petro Coke Consumed in Producer Gas Plants	Annual	Tonne						
31	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Producer Gas Plants	Annual	kcal/ kg						



32	Total Quantity Non-coking Coal & Petro Coke Consumed in Auxiliary Plants	Annual	Tonne							
33	Average Net Calorific Value of Non-coking Coal & Petro Coke charged in Auxiliary Plants	Annual	kcal/ kg							
34	Total Quantity Non-coking Coal & Petro Coke Lost in DC's premises	C.1.5 - C.1.6 - C.1.8 - C.1.10 - C.1.12 - C.1.14 - C.1.16 - C.1.18 - C.1.20 - C.1.22 - C.1.24 - C.1.26 - C.1.28 - C.1.30 - C.1.32	Tonne							
35	Average Net Calorific Value of Non-coking Coal & Petro Coke lost in DC's premises	Annual	kcal/ kg							
36	Thermal Energy Used in Power Generation (ST)	(C.1.28 x C.1.29) / 1000	Gcal							
37	Thermal Energy Used in Process	{(C.1.6 x C.1.7) + (C.1.8 x C.1.9) + (C.1.10 x C.1.11) + (C.1.12 x C.1.13) + (C.1.14 x C.1.15) + (C.1.16 x C.1.17) + (C.1.18 x C.1.19) + (C.1.20 x C.1.21) + (C.1.22 x C.1.23) + (C.1.24 x C.1.25) + (C.1.26 x C.1.27) + (C.1.30 x C.1.31) + (C.1.32 x C.1.33) + (C.1.34 x C.1.35)} / 1000	Gcal							



38	Weighted Average Landed Cost of Non-coking Coal (including Anthracite, Lignite etc.) & Petro Coke (Last purchased)	Basic Cost + Taxes + Freight	Rs/Tonne							
C.2	Coking Coal									
1	Total Quantity Coking Coal Received at DC's Premises	Annual	Tonne							
2	Yearly Opening Balance of Total Coking Coal Stocked at DC's premises	Annual	Tonne							
3	Yearly Closing Balance of Total Coking Coal Stocked at DC's premises	Annual	Tonne							
4	Total Quantity Coking Coal Sold	Annual	Tonne							
5	Total Quantity Coking Coal consumed in DC's premises	C.2.1 + C.2.2 - C.2.3 - C.2.4	Tonne							
6	Total Quantity Coking Coal Consumed in Coke Oven Plants	Annual	Tonne							
7	Average Net Calorific Value of Coking Coal charged in Coke Oven Plants	Annual	kcal/ kg							
8	Total Quantity Coking Coal Consumed in Coal-based HBI/DRI Plants	Annual	Tonne							
9	Average Net Calorific Value of Coking Coal charged in Coal-based HBI/DRI Plants	Annual	kcal/ kg							



10	Total Quantity Coking Coal Consumed in Corex Plants	Annual	Tonne						
11	Average Net Calorific Value of Coking Coal charged in Corex Plants	Annual	kcal/ kg						
12	Total Quantity Coking Coal Consumed in Blast Furnace Plants	Annual	Tonne						
13	Average Net Calorific Value of Coking Coal charged in Blast Furnace Plants	Annual	kcal/ kg						
14	Total Quantity Coking Coal Lost in DC's premises	C.2.5 - C.2.6 - C.2.8 - C.2.10 - C.2.12	Tonne						
15	Average Net Calorific Value of Coking Coal lost in DC's premises	Annual	kcal/ kg						
16	Thermal Energy Used in Process	$\{ (C.2.6 \times C.2.7) + (C.2.8 \times C.2.9) + (C.2.10 \times C.2.11) + (C.2.12 \times C.2.13) + (C.2.14 \times C.2.15) \} / 1000$	Gcal						
17	Weighted Average Landed Cost of Coking Coal (Last purchased)	Basic Cost + Taxes + Freight	Rs/Tonne						
C.3	Coke Purchased								
1	Upstream Default Energy consumption of Purchased Coke Received at DC's Premises	Default value	kcal/ kg						



2	Total Quantity of BF Grade Purchased Coke Received at DC's Premises	Annual	Tonne							
3	Yearly Opening Balance of Purchased BF Grade Coke Stocked at DC's premises	Annual	Tonne							
4	Yearly Closing Balance of Purchased BF Grade Coke Stocked at DC's premises	Annual	Tonne							
5	Total Quantity of Purchased BF Grade Coke Sold	Annual	Tonne							
6	Total Quantity Purchased BF Grade Coke consumed in DC's premises	C.3.2 + C.3.3 - C.3.4 - C.3.5	Tonne							
7	Total Quantity of Purchased Nut Coke Received at DC's Premises	Annual	Tonne							
8	Yearly Opening Balance of Purchased Nut Coke Stocked at DC's premises	Annual	Tonne							
9	Yearly Closing Balance of Purchased Nut Coke Stocked at DC's premises	Annual	Tonne							
10	Total Quantity of Purchased Nut Coke Sold	Annual	Tonne							
11	Total Quantity Purchased Nut Coke consumed in DC's premises	C.3.7 + C.3.8 - C.3.9 - C.3.10	Tonne							
12	Total Quantity of Purchased Coke Breeze / Fines Received at DC's Premises	Annual	Tonne							



13	Yearly Opening Balance of Purchased Coke Breeze / Fines Stocked at DC's premises	Annual	Tonne						
14	Yearly Closing Balance of Purchased Coke Breeze / Fines Stocked at DC's premises	Annual	Tonne						
15	Total Quantity of Purchased Coke Breeze / Fines Sold	Annual	Tonne						
16	Total Quantity Purchased Coke Breeze / Fines consumed in DC's premises	C.3.12 + C.3.13 - C.3.14 - C.3.15	Tonne						
17	Total Quantity Purchased BF Grade Coke Consumed in Corex Plants	Annual	Tonne						
18	Average Net calorific value of Purchased BF Grade Coke charged in Corex Plants	Annual	kcal/ kg						
19	Total Quantity Purchased BF Grade Coke Consumed in BF Plants	Annual	Tonne						
20	Average Net calorific value of Purchased BF Grade Coke charged in BF Plants	Annual	kcal/ kg						
21	Total Quantity Purchased BF Grade Coke Consumed in SMC Plants	Annual	Tonne						
22	Average Net calorific value of Purchased BF Grade Coke charged in SMC Plants	Annual	kcal/ kg						



23	Total Quantity Purchased BF Grade Coke Lost in DC's premises	C.3.6 - C.3.17 - C.3.19 - C.3.21	Tonne							
24	Average Net Calorific Value of BF Grade Coking Coal lost in DC's premises	Annual	kcal/ kg							
25	Total Quantity Purchased Nut Coke Consumed in Sinter Plants	Annual	Tonne							
26	Average Net calorific value of Purchased Nut Coke charged in Sinter Plants	Annual	kcal/ kg							
27	Total Quantity Purchased Nut Coke Consumed in Coal-based HBI/DRI Plants	Annual	Tonne							
28	Average Net Calorific Value of Purchased Nut Coke charged in Coal- based HBI/DRI Plants	Annual	kcal/ kg							
29	Total Quantity Purchased Nut Coke Consumed in Corex Plants	Annual	Tonne							
30	Average Net Calorific Value of Purchased Nut Coke charged in Corex Plants	Annual	kcal/ kg							
31	Total Quantity Purchased Nut Coke Consumed in BF Plants	Annual	Tonne							
32	Average Net Calorific Value of Purchased Nut Coke charged in BF Plants	Annual	kcal/ kg							



33	Total Quantity Purchased Nut Coke Consumed in SMC Plants	Annual	Tonne						
34	Average Net Calorific Value of Purchased Nut Coke charged in SMC Plants	Annual	kcal/ kg						
35	Total Quantity Purchased Nut Coke Lost in DC's premises	C.3.11 - C.3.25 - C.3.27 - C.3.29 - C.3.31 - C.3.33	Tonne						
36	Average Net Calorific Value of Purchased Nut Coke lost in DC's premises	Annual	kcal/ kg						
37	Total Quantity Purchased Coke Breeze / Fines Consumed in Pellet Plants	Annual	Tonne						
38	Average Net Calorific Value of Purchased Coke Breeze charged in Pellet Plants	Annual	kcal/ kg						
39	Total Quantity Purchased Coke Breeze / Fines Consumed in Sinter Plants	Annual	Tonne						
40	Average Net Calorific Value of Purchased Coke Breeze charged in Sinter Plants	Annual	kcal/ kg						
41	Total Quantity Purchased Coke Breeze / Fines Consumed in Coal-based HBI/DRI Plants	Annual	Tonne						



42	Average Net Calorific Value of Purchased Coke Breeze / Fines charged in Coal-based HBI/DRI Plants	Annual	kcal/ kg							
43	Total Quantity Purchased Coke Breeze / Fines Consumed in SMC Plants	Annual	Tonne							
44	Average Net Calorific Value of Purchased Coke Breeze / Fines charged in SMC Plants	Annual	kcal/ kg							
45	Total Quantity Purchased Coke Breeze / Fines Consumed in Blooming Mills	Annual	Tonne							
46	Average Net Calorific Value of Purchased Coke Breeze / Fines charged in Blooming Mills	Annual	kcal/ kg							
47	Total Quantity Purchased Coke Breeze / Fines Consumed in Slabbing Mills	Annual	Tonne							
48	Average Net Calorific Value of Purchased Coke Breeze / Fines charged in Slabbing Mills	Annual	kcal/ kg							
49	Total Quantity Purchased Coke Breeze / Fines Lost in DC's premises	C.3.16 - C.3.37 - C.3.39 - C.3.41 - C.3.43 - C.3.45 - C.3.47	Tonne							
50	Average Net Calorific Value of Purchased Coke Breeze / Fines Lost in DC's premises	Annual	kcal/ kg							



2	Average Net Calorific Value of BF grade Coke produced in Coke Oven Plants	Annual	kcal/ kg							
3	Yearly Opening Balance of Produced BF Grade Coke Stocked at DC's premises	Annual	Tonne							
4	Average Net Calorific Value of Yearly Opening Balance of Produced BF Grade Coke Stocked at DC's premises	Annual	kcal/ kg							
5	Yearly Closing Balance of Produced BF Grade Coke Stocked at DC's premises	Annual	Tonne							
6	Average Net Calorific Value of Yearly Closing Balance of Produced BF Grade Coke Stocked at DC's premises	Annual	kcal/ kg							
7	Total Quantity of Produced BF Grade Coke Sold	Annual	Tonne							
8	Average Net Calorific Value of Produced BF Grade Coke Sold	Annual	kcal/ kg							
9	Total Quantity Produced BF Grade Coke consumed in DC's premises	C.4.1 + C.4.3 - C.4.4 - C.4.7	Tonne							
10	Average Net Calorific Value of Produced BF Grade Coke consumed in DC's premises	$\{ (C.4.1 \times C.4.2) + (C.4.3 \times C.4.4) - (C.4.5 \times C.4.6) - (C.4.7 \times C.4.8) \} / C.4.9$	kcal/ kg							



11	Total Quantity of Nut Coke produced in Coke Oven Plants	Annual	Tonne						
12	Average Net Calorific Value of Nut Coke produced in Coke Oven Plants	Annual	kcal/ kg						
13	Yearly Opening Balance of Produced Nut Coke Stocked at DC's premises	Annual	Tonne						
14	Average Net Calorific Value of Yearly Opening Balance of Produced Nut Coke Stocked at DC's premises	Annual	kcal/ kg						
15	Yearly Closing Balance of Produced Nut Coke Stocked at DC's premises	Annual	Tonne						
16	Average Net Calorific Value of Yearly Closing Balance of Produced Nut Coke Stocked at DC's premises	Annual	kcal/ kg						
17	Total Quantity of Produced Nut Coke Sold	Annual	Tonne						
18	Average Net Calorific Value of Produced Nut Coke Sold	Annual	kcal/ kg						
19	Total Quantity Produced Nut Coke consumed in DC's premises	C.4.11 + C.4.13 - C.4.14 - C.4.17	Tonne						



20	Average Net Calorific Value of Produced Nut Coke consumed in DC's premises	$\frac{\{(C.4.11 \times C.4.12) + (C.4.13 \times C.4.14) - (C.4.15 \times C.4.16) - (C.4.17 \times C.4.18)\}}{C.4.19}$	kcal/ kg							
21	Total Quantity of Produced Coke Breeze / Fines produced in Coke Oven Plants	Annual	Tonne							
22	Average Net Calorific Value of Coke Breeze / Fines produced in Coke Oven Plants	Annual	kcal/ kg							
23	Yearly Opening Balance of Produced Coke Breeze / Fines Stocked at DC's premises	Annual	Tonne							
24	Average Net Calorific Value of Yearly Opening Balance of Produced Coke Breeze / Fines Stocked at DC's premises	Annual	kcal/ kg							
25	Yearly Closing Balance of Produced Coke Breeze / Fines Stocked at DC's premises	Annual	Tonne							
26	Average Net Calorific Value of Yearly Closing Balance of Produced Nut Coke Stocked at DC's premises	Annual	kcal/ kg							
27	Total Quantity of Produced Coke Breeze / Fines Sold	Annual	Tonne							



28	Average Net Calorific Value of Produced Coke Breeze / Fines Sold	Annual	kcal/ kg							
29	Total Quantity Produced Coke Breeze / Fines consumed in DC's premises	$C.4.21 + C.4.23 - C.4.24 - C.4.27$	Tonne							
30	Average Net Calorific Value of Produced Coke Breeze / Fines consumed in DC's premises	$\{ (C.4.21 \times C.4.22) + (C.4.23 \times C.4.24) - (C.4.25 \times C.4.26) - (C.4.27 \times C.4.28) \} / C.4.29$	kcal/ kg							
31	Total Quantity Produced BF Grade Coke Consumed in Corex Plants	Annual	Tonne							
32	Total Quantity Produced BF Grade Coke Consumed in BF Plants	Annual	Tonne							
33	Total Quantity Produced BF Grade Coke Consumed in SMC Plants	Annual	Tonne							
34	Total Quantity Produced BF Grade Coke Lost in DC's premises	$C.4.9 - C.4.31 - C.4.32 - C.4.33$	Tonne							
35	Total Quantity Produced Nut Coke Consumed in Sinter Plants	Annual	Tonne							
36	Total Quantity Produced Nut Coke Consumed in Coal-based HBI/DRI Plants	Annual	Tonne							
37	Total Quantity Produced Nut Coke Consumed in Corex Plants	Annual	Tonne							



38	Total Quantity Produced Nut Coke Consumed in BF Plants	Annual	Tonne							
39	Total Quantity Produced Nut Coke Consumed in SMC Plants	Annual	Tonne							
40	Total Quantity Produced Nut Coke Lost in DC's premises	C.4.19 - C.4.35 - C.4.36 - C.4.37 - C.4.38 - C.4.39	Tonne							
41	Total Quantity Produced Coke Breeze / Fines Consumed in Pellet Plants	Annual	Tonne							
42	Total Quantity Produced Coke Breeze / Fines Consumed in Sinter Plants	Annual	Tonne							
43	Total Quantity Produced Coke Breeze / Fines Consumed in Coal-based HBI/DRI Plants	Annual	Tonne							
44	Total Quantity Produced Coke Breeze / Fines Consumed in SMC Plants	Annual	Tonne							
45	Total Quantity Produced Coke Breeze / Fines Consumed in Blooming Mills	Annual	Tonne							
46	Total Quantity Produced Coke Breeze / Fines Consumed in Slabbing Mills	Annual	Tonne							
47	Total Quantity Produced Coke Breeze / Fines Lost in DC's premises	C.4.29 - C.4.41 - C.4.42 - C.4.43 - C.4.44 - C.4.45 - C.4.46	Tonne							



48	Thermal Energy Used in Process	$(C.4.9 \times C.4.10) - (C.4.1 \times C.4.2) + (C.4.19 \times C.4.20) - (C.4.11 \times C.4.12) + (C.4.29 \times C.4.30) - (C.4.21 \times C.4.22)$	Gcal							
C.5	Biomass (pl. specify like baggase, rice husk, etc.)	Thermal Energy Input through Biomass not to be taken into account								
1	Total Quantity Biomass Received at DC's Premises	Annual	Tonne							
2	Yearly Opening Balance of Total Biomass Stocked at DC's premises	Annual	Tonne							
3	Yearly Closing Balance of Total Biomass Stocked at DC's premises	Annual	Tonne							
4	Total Quantity Biomass Sold	Annual	Tonne							
5	Total Quantity Biomass consumed in DC's premises	$C.5.1 + C.5.2 - C.5.3 - C.5.4$	Tonne							
6	Total Quantity Biomass Consumed in Coke Oven Plants	Annual	Tonne							
7	Average Net Calorific Value of Biomass charged in Coke Oven Plants	Annual	kcal/ kg							



8	Total Quantity Biomass Consumed in Pellet Plants	Annual	Tonne							
9	Average Net Calorific Value of Biomass charged in Pellet Plants	Annual	kcal/ kg							
10	Total Quantity Biomass Consumed in Sinter Plants	Annual	Tonne							
11	Average Net Calorific Value of Biomass charged in Sinter Plants	Annual	kcal/ kg							
12	Total Quantity Biomass Consumed in Coal-based HBI/DRI Plants	Annual	Tonne							
13	Average Net Calorific Value of Biomass charged in Coal-based HBI/DRI Plants	Annual	kcal/ kg							
14	Total Quantity Biomass Consumed in Corex Plants	Annual	Tonne							
15	Average Net Calorific Value of Biomass charged in Corex Plants	Annual	kcal/ kg							
16	Total Quantity Biomass Consumed in Blast Furnace Plants	Annual	Tonne							
17	Average Net Calorific Value of Biomass charged / injected in Blast Furnace Plants	Annual	kcal/ kg							
18	Total Quantity Biomass Consumed in Calcining Plants	Annual	Tonne							



19	Average Net Calorific Value of Biomass charged in Calcining Plants	Annual	kcal/ kg							
20	Total Quantity Biomass Consumed in Steel Melting & Casting Plants	Annual	Tonne							
21	Average Net Calorific Value of Biomass charged in Steel Melting & Casting Plants	Annual	kcal/ kg							
22	Total Quantity Biomass Consumed in Blooming Mills	Annual	Tonne							
23	Average Net Calorific Value of Biomass charged in Blooming Mills	Annual	kcal/ kg							
24	Total Quantity Biomass Consumed in Slabbing Mills	Annual	Tonne							
25	Average Net Calorific Value of Biomass charged in Slabbing Mills	Annual	kcal/ kg							
26	Total Quantity Biomass Consumed in Boilers (not included in other Plants / Mills)	Annual	Tonne							
27	Average Net Calorific Value of Biomass charged in Boilers (not included in other Plants / Mills)	Annual	kcal/ kg							
28	Total Quantity Biomass Consumed in Power Plants (ST)	Annual	Tonne							



29	Average Net Calorific Value of Biomass charged in Power Plants (ST)	Annual	kcal/ kg							
30	Total Quantity Biomass Consumed in Producer Gas Plants	Annual	Tonne							
31	Average Net Calorific Value of Biomass charged in Producer Gas Plants	Annual	kcal/ kg							
32	Total Quantity Biomass Consumed in Auxiliary Plants	Annual	Tonne							
33	Average Net Calorific Value of Biomass charged in Auxiliary Plants	Annual	kcal/ kg							
34	Total Quantity Biomass Lost in DC's premises	C.5.5 - C.5.6 - C.5.8 - C.5.10 - C.5.12 - C.5.14 - C.5.16 - C.5.28 - C.5.30 - C.5.32 - C.5.34 - C.5.36 - C.5.38 - C.5.40 - C.5.42	Tonne							
35	Average Net Calorific Value of Biomass lost in DC's premises	Annual	kcal/ kg							
36	Thermal Energy Used in Power Generation (CPP)	(C.5.28 x C.5.29) / 1000	Gcal							

37	Thermal Energy Used in Process	{(C.5.6 x C.5.7) + (C.5.8 x C.5.9) + (C.5.10 x C.5.11) + (C.5.12 x C.5.13) + (C.5.14 x C.5.15) + (C.5.16 x C.5.17) + (C.5.18 x C.5.19) + (C.5.20 x C.5.21) + (C.5.22 x C.5.23) + (C.5.24 x C.5.25) + (C.5.26 x C.5.27) + (C.5.30 x C.5.31) + (C.5.32 x C.5.33) + (C.5.34 x C.5.35)} / 1000	Gcal							
C.6	Solid Waste (pl. specify and enclose referred CPCB guidelines) like rubber tyres chips, Municipal Solid waste etc.	Thermal Energy Input through solid waste, mentioned in CPCB guidelines, not to be taken into account								
1	Total Quantity Solid Waste Received at DC's Premises	Annual	Tonne							
2	Yearly Opening Balance of Total Solid Waste Stocked at DC's premises	Annual	Tonne							



3	Yearly Closing Balance of Total Solid Waste Stocked at DC's premises	Annual	Tonne							
4	Total Quantity Solid Waste Sold	Annual	Tonne							
5	Total Quantity Solid Waste consumed in DC's premises	C.6.1 + C.6.2 - C.6.3 - C.6.4	Tonne							
6	Total Quantity Solid Waste Consumed in Coke Oven Plants	Annual	Tonne							
7	Average Net Calorific Value of Solid Waste charged in Coke Oven Plants	Annual	kcal/ kg							
8	Total Quantity Solid Waste Consumed in Pellet Plants	Annual	Tonne							
9	Average Net Calorific Value of Solid Waste charged in Pellet Plants	Annual	kcal/ kg							
10	Total Quantity Solid Waste Consumed in Sinter Plants	Annual	Tonne							
11	Average Net Calorific Value of Solid Waste charged in Sinter Plants	Annual	kcal/ kg							
12	Total Quantity Solid Waste Consumed in Coal-based HBI/DRI Plants	Annual	Tonne							
13	Average Net Calorific Value of Solid Waste charged in Coal-based HBI/DRI Plants	Annual	kcal/ kg							



14	Total Quantity Solid Waste Consumed in Corex Plants	Annual	Tonne							
15	Average Net Calorific Value of Solid Waste charged in Corex Plants	Annual	kcal/ kg							
16	Total Quantity Solid Waste Consumed in Blast Furnace Plants	Annual	Tonne							
17	Average Net Calorific Value of Solid Waste charged / injected in Blast Furnace Plants	Annual	kcal/ kg							
18	Total Quantity Solid Waste Consumed in Calcining Plants	Annual	Tonne							
19	Average Net Calorific Value of Solid Waste charged in Calcining Plants	Annual	kcal/ kg							
20	Total Quantity Solid Waste Consumed in Steel Melting & Casting Plants	Annual	Tonne							
21	Average Net Calorific Value of Solid Waste charged in Steel Melting & Casting Plants	Annual	kcal/ kg							
22	Total Quantity Solid Waste Consumed in Blooming Mills	Annual	Tonne							
23	Average Net Calorific Value of Solid Waste charged in Blooming Mills	Annual	kcal/ kg							



24	Total Quantity Solid Waste Consumed in Slabbing Mills	Annual	Tonne							
25	Average Net Calorific Value of Solid Waste charged in Slabbing Mills	Annual	kcal/ kg							
26	Total Quantity Solid Waste Consumed in Boilers (not included in other Plants / Mills)	Annual	Tonne							
27	Average Net Calorific Value of Solid Waste charged in Boilers (not included in other Plants / Mills)	Annual	kcal/ kg							
28	Total Quantity Solid Waste Consumed in Power Plants (ST)	Annual	Tonne							
29	Average Net Calorific Value of Solid Waste charged in Power Plants (ST)	Annual	kcal/ kg							
30	Total Quantity Solid Waste Consumed in Producer Gas Plants	Annual	Tonne							
31	Average Net Calorific Value of Solid Waste charged in Producer Gas Plants	Annual	kcal/ kg							
32	Total Quantity Solid Waste Consumed in Auxiliary Plants	Annual	Tonne							
33	Average Net Calorific Value of Solid Waste charged in Auxiliary Plants	Annual	kcal/ kg							



34	Total Quantity Solid Waste Lost in DC's premises	C.6.5 - C.6.6 - C.6.8 - C.6.10 - C.6.12 - C.6.14 - C.6.16 - C.6.18 - C.6.20 - C.6.22 - C.6.24 - C.6.26 - C.6.28 - C.6.30 - C.6.32	Tonne							
35	Average Net Calorific Value of Solid Waste lost in DC's premises	Annual	kcal/ kg							
36	Thermal Energy Used in Power Generation (ST)	$(C.6.28 \times C.6.29) / 1000$	Gcal							
37	Thermal Energy Used in Process	$\{ (C.6.6 \times C.6.7) + (C.6.8 \times C.6.9) + (C.6.10 \times C.6.11) + (C.6.12 \times C.6.13) + (C.6.14 \times C.6.15) + (C.6.16 \times C.6.17) + (C.6.18 \times C.6.19) + (C.6.20 \times C.6.21) + (C.6.22 \times C.6.23) + (C.6.24 \times C.6.25) + (C.6.26 \times C.6.27) + (C.6.30 \times C.6.31) + (C.6.32 \times C.6.33) + (C.6.34 \times C.6.35) \} / 1000$	Gcal							
C.7	Flue Dust									
1	Total Quantity Flue Dust Received at DC's Premises	Annual	Tonne							



2	Total Quantity of Flue Dust produced in Blast Furnace Plants	Annual	Tonne								
3	Average Net Calorific Value of Flue Dust produced in Blast Furnace Plants	Annual	kcal/ kg								
4	Yearly Opening Balance of Total Flue Dust Stocked at DC's premises	Annual	Tonne								
5	Yearly Closing Balance of Total Flue Dust Stocked at DC's premises	Annual	Tonne								
6	Total Quantity Flue Dust Sold	Annual	Tonne								
7	Total Quantity Flue Dust consumed in DC's premises	C.7.1 + C.7.2 + C.7.4 - C.7.5 - C.7.6	Tonne								
8	Total Quantity Flue Dust Consumed in Sinter Plants	Annual	Tonne								
9	Average Net Calorific Value of Flue Dust charged in Sinter Plants	Annual	kcal/ kg								
10	Total Quantity Flue Dust Consumed in Boilers (not included in other Plants / Mills)	Annual	Tonne								
11	Average Net Calorific Value of Flue Dust charged in Boilers (not included in other Plants / Mills)	Annual	kcal/ kg								
12	Total Quantity Flue Dust Consumed in Power Plants (ST)	Annual	Tonne								



13	Average Net Calorific Value of Flue Dust charged in Power Plants (ST)	Annual	kcal/ kg							
14	Total Quantity Flue Dust Lost in DC's premises	$C.7.7 - C.7.8 - C.7.10 - C.7.12 - C.7.14$	Tonne							
15	Average Net Calorific Value of Flue Dust lost in DC's premises	Annual	kcal/ kg							
16	Thermal Energy Used in Power Generation (ST)	$(C.7.12 \times C.7.13) / 1000$	Gcal							
17	Thermal Energy Used in Process	$\{ (C.7.8 \times C.7.9) + (C.7.10 \times C.7.11) + (C.7.14 \times C.7.15) - (C.7.2 \times C.7.3) \} / 1000$	Gcal							
C.8	Char									
1	Total Quantity Char Received at DC's Premises	Annual	Tonne							
2	Total Quantity of Char produced in Coal-based DRI/HBI Plants	Annual	Tonne							
3	Average Net Calorific Value of Char produced in Coal-based DRI/HBI Plants	Annual	kcal/ kg							
4	Yearly Opening Balance of Total Char Stocked at DC's premises	Annual	Tonne							
5	Yearly Closing Balance of Total Char Stocked at DC's premises	Annual	Tonne							
6	Total Quantity Char Sold	Annual	Tonne							



7	Total Quantity Flue Dust consumed in DC's premises	$C.8.1 + C.8.2 + C.8.4 - C.8.5 - C.8.6$	Tonne							
8	Total Quantity Char Consumed in Boilers (not included in other Plants / Mills)	Annual	Tonne							
9	Average Net Calorific Value of Char charged in Boilers (not included in other Plants / Mills)	Annual	kcal/ kg							
10	Total Quantity Char Consumed in Power Plants (ST)	Annual	Tonne							
11	Average Net Calorific Value of Char charged in Power Plants (ST)	Annual	kcal/ kg							
12	Total Quantity Char Lost in DC's premises	$C.8.7 - C.8.8 - C.8.10 - C.8.12$	Tonne							
13	Average Net Calorific Value of Char lost in DC's premises	Annual	kcal/ kg							
14	Thermal Energy Used in Power Generation (ST)	$(C.7.10 \times C.7.11) / 1000$	Gcal							
15	Thermal Energy Used in Process	$\{ (C.7.8 \times C.7.9) + (C.7.12 \times C.7.13) - (C.7.2 \times C.7.3) \} / 1000$	Gcal							
C.9	Total Solid Energy Used in Power Generation (ST)	$C.1.36 + C.5.36 + C.6.36 + C.7.16 + C.8.14$	Million kcal							



C.10	Total Thermal Energy from Solid Fuel Used in Process	C.1.37 + C.2.16 + C.3.51 + C.4.48 + C.7.17 + C.8.15	Million kcal							
D	Liquid Fuel Consumption									
D.1	Furnace Oil									
1	Average Net Calorific Value of Furnace Oil	Annual	kcal / litre							
2	Average Density of Furnace Oil	Annual	kg/ltr							
3	Total Quantity Furnace Oil Received at DC's Premises	Annual	kl							
4	Yearly Opening Balance of Furnace Oil Stocked at DC's premises	Annual	kl							
5	Yearly Closing Balance of Total Furnace Oil Stocked at DC's premises	Annual	kl							
6	Total Quantity Furnace Oil Sold	Annual	kl							
7	Total Quantity Furnace Oil consumed in DC's premises	D.1.3 + D.1.4 - D.1.5 - D.1.6	kl							
8	Total Quantity Furnace Oil consumed in Coke Oven Plant	Annual	kl							
9	Total Quantity Furnace Oil consumed in Pellet Plant	Annual	kl							
10	Total Quantity Furnace Oil consumed in Sinter Plant	Annual	kl							



11	Total Quantity Furnace Oil consumed in Gas based HBI/DRI Plant	Annual	kl								
12	Total Quantity Furnace Oil consumed in Coal-based HBI/DRI Plant	Annual	kl								
13	Total Quantity Furnace Oil consumed in Corex Plant	Annual	kl								
14	Total Quantity Furnace Oil consumed in Blast Furnace Plant	Annual	kl								
15	Total Quantity Furnace Oil consumed in Calcining Plant	Annual	kl								
16	Total Quantity Furnace Oil consumed in Steel Melting & Casting Plant	Annual	kl								
17	Total Quantity Furnace Oil consumed in Wheel Mills	Annual	kl								
18	Total Quantity Furnace Oil consumed in Blooming Mills	Annual	kl								
19	Total Quantity Furnace Oil consumed in Slabbing Mills	Annual	kl								
20	Total Quantity Furnace Oil consumed in Billet Mills	Annual	kl								
21	Total Quantity Furnace Oil consumed in Light Merchant Mills	Annual	kl								



22	Total Quantity Furnace Oil consumed in Medium Merchant & Structural Mills	Annual	kl								
23	Total Quantity Furnace Oil consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	kl								
24	Total Quantity Furnace Oil consumed in Axle Mills	Annual	kl								
25	Total Quantity Furnace Oil consumed in Skelp Mills	Annual	kl								
26	Total Quantity Furnace Oil consumed in Merchant Mills	Annual	kl								
27	Total Quantity Furnace Oil consumed in Bar & Rod Mills	Annual	kl								
28	Total Quantity Furnace Oil consumed in Wire Rod Mills	Annual	kl								
29	Total Quantity Furnace Oil consumed in Light Structural Mills	Annual	kl								
30	Total Quantity Furnace Oil consumed in Plate Mills	Annual	kl								
31	Total Quantity Furnace Oil consumed in Hot Strip Mills	Annual	kl								
32	Total Quantity Furnace Oil consumed in Compact Strip Mills	Annual	kl								



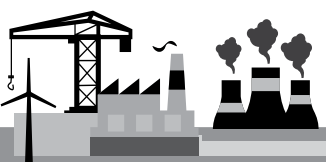
33	Total Quantity Furnace Oil consumed in Cold Rolling Mills	Annual	kl									
34	Total Quantity Furnace Oil consumed in Pipe Mills	Annual	kl									
35	Total Quantity Furnace Oil consumed in Silicon Steel Mills	Annual	kl									
36	Total Quantity Furnace Oil consumed in Oxygen Plants	Annual	kl									
37	Total Quantity Furnace Oil consumed in Boilers (not included in other Plants / Mills)	Annual	kl									
38	Total Quantity Furnace Oil consumed in DG Sets	Annual	kl									
39	Total Quantity Furnace Oil consumed in Power Plants (ST)	Annual	kl									
40	Total Quantity Furnace Oil consumed in Producer Gas Plants	Annual	kl									
41	Total Quantity Furnace Oil consumed in Auxiliary Plants	Annual	kl									
42	Total Quantity Furnace Oil Lost in DC's premises	D.1.7 - { Sum(D.1.8 : D.1.40) }	kl									
43	Thermal Energy Used in Power Generation (DG Set)	(D.1.1 x D.1.38) / 1000	Gcal									
44	Thermal Energy Used in Power Generation (ST)	(D.1.1 x D.1.39) / 1000	Gcal									



45	Thermal Energy Used in Process	$\left[\{ D.1.1 \times \text{Sum}(D.1.8 : D.1.42) \} - D.1.43 - D.1.44 \right] / 1000$	Gcal								
D.2	Low & High Sulphur Heavy Stock (LSHS & HSHS)										
1	Average Net Calorific Value of LSHS & HSHS	Annual	kcal / litre								
2	Average Density of LSHS & HSHS	Annual	kg/ltr								
3	Total Quantity LSHS & HSHS Received at DC's Premises	Annual	kl								
4	Yearly Opening Balance of LSHS & HSHS Stocked at DC's premises	Annual	kl								
5	Yearly Closing Balance of Total LSHS & HSHS Stocked at DC's premises	Annual	kl								
6	Total Quantity LSHS & HSHS Sold	Annual	kl								
7	Total Quantity LSHS & HSHS consumed in DC's premises	$D.2.3 + D.2.4 - D.2.5 - D.2.6$	kl								
8	Total Quantity LSHS & HSHS consumed in Coke Oven Plant	Annual	kl								
9	Total Quantity LSHS & HSHS consumed in Pellet Plant	Annual	kl								
10	Total Quantity LSHS & HSHS consumed in Sinter Plant	Annual	kl								



11	Total Quantity LSHS & HSHS consumed in Gas based HBI/DRI Plant	Annual	kl								
12	Total Quantity LSHS & HSHS consumed in Coal-based HBI/DRI Plant	Annual	kl								
13	Total Quantity LSHS & HSHS consumed in Corex Plant	Annual	kl								
14	Total Quantity LSHS & HSHS consumed in Blast Furnace Plant	Annual	kl								
15	Total Quantity LSHS & HSHS consumed in Calcining Plant	Annual	kl								
16	Total Quantity LSHS & HSHS consumed in Steel Melting & Casting Plant	Annual	kl								
17	Total Quantity LSHS & HSHS consumed in Wheel Mills	Annual	kl								
18	Total Quantity LSHS & HSHS consumed in Blooming Mills	Annual	kl								
19	Total Quantity LSHS & HSHS consumed in Slabbing Mills	Annual	kl								
20	Total Quantity LSHS & HSHS consumed in Billet Mills	Annual	kl								
21	Total Quantity LSHS & HSHS consumed in Light Merchant Mills	Annual	kl								



22	Total Quantity LSHS & HSHS consumed in Medium Merchant & Structural Mills	Annual	kl								
23	Total Quantity LSHS & HSHS consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	kl								
24	Total Quantity LSHS & HSHS consumed in Axle Mills	Annual	kl								
25	Total Quantity LSHS & HSHS consumed in Skelp Mills	Annual	kl								
26	Total Quantity LSHS & HSHS consumed in Merchant Mills	Annual	kl								
27	Total Quantity LSHS & HSHS consumed in Bar & Rod Mills	Annual	kl								
28	Total Quantity LSHS & HSHS consumed in Wire Rod Mills	Annual	kl								
29	Total Quantity LSHS & HSHS consumed in Light Structural Mills	Annual	kl								
30	Total Quantity LSHS & HSHS consumed in Plate Mills	Annual	kl								
31	Total Quantity LSHS & HSHS consumed in Hot Strip Mills	Annual	kl								
32	Total Quantity LSHS & HSHS consumed in Compact Strip Mills	Annual	kl								



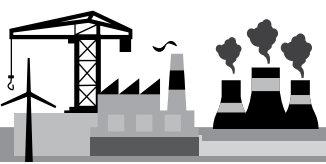
33	Total Quantity LSHS & HSHS consumed in Cold Rolling Mills	Annual	kl								
34	Total Quantity LSHS & HSHS consumed in Pipe Mills	Annual	kl								
35	Total Quantity LSHS & HSHS consumed in Silicon Steel Mills	Annual	kl								
36	Total Quantity LSHS & HSHS consumed in Oxygen Plants	Annual	kl								
37	Total Quantity LSHS & HSHS consumed in Boilers (not included in other Plants / Mills)	Annual	kl								
38	Total Quantity LSHS & HSHS consumed in DG Sets	Annual	kl								
39	Total Quantity LSHS & HSHS consumed in Power Plants (ST)	Annual	kl								
40	Total Quantity LSHS & HSHS consumed in Producer Gas Plants	Annual	kl								
41	Total Quantity LSHS & HSHS consumed in Auxiliary Plants	Annual	kl								
42	Total Quantity LSHS & HSHS Lost in DC's premises	D.2.7 - { Sum(D.2.8 : D.2.41) }	kl								
43	Thermal Energy Used in Power Generation (DG Set)	(D.2.1 x D.2.38) / 1000	Gcal								
44	Thermal Energy Used in Power Generation (ST)	(D.2.1 x D.2.39) / 1000	Gcal								



45	Thermal Energy Used in Process	[{ D.2.1 x Sum(D.2.8 : D.2.42) } - D.2.43 - D.2.44] / 1000	Gcal								
D.3	HSDO / Diesel										
1	Average Net Calorific Value of HSDO / Diesel	Annual	kcal / litre								
2	Average Density of HSDO / Diesel	Annual	kg/ltr								
3	Total Quantity HSDO / Diesel Received at DC's Premises	Annual	kl								
4	Yearly Opening Balance of HSDO / Diesel Stocked at DC's premises	Annual	kl								
5	Yearly Closing Balance of Total HSDO / Diesel Stocked at DC's premises	Annual	kl								
6	Total Quantity HSDO / Diesel Sold	Annual	kl								
7	Total Quantity HSDO / Diesel consumed in DC's premises	D.3.3 + D.3.4 - D.3.5 - D.3.6	kl								
8	Total Quantity HSDO / Diesel consumed in Coke Oven Plant	Annual	kl								
9	Total Quantity HSDO / Diesel consumed in Pellet Plant	Annual	kl								
10	Total Quantity HSDO / Diesel consumed in Sinter Plant	Annual	kl								
11	Total Quantity HSDO / Diesel consumed in Gas based HBI/DRI Plant	Annual	kl								



12	Total Quantity HSDO / Diesel consumed in Coal-based HBI/DRI Plant	Annual	kl									
13	Total Quantity HSDO / Diesel consumed in Corex Plant	Annual	kl									
14	Total Quantity HSDO / Diesel consumed in Blast Furnace Plant	Annual	kl									
15	Total Quantity HSDO / Diesel consumed in Calcining Plant	Annual	kl									
16	Total Quantity HSDO / Diesel consumed in Steel Melting & Casting Plant	Annual	kl									
17	Total Quantity HSDO / Diesel consumed in Wheel Mills	Annual	kl									
18	Total Quantity HSDO / Diesel consumed in Blooming Mills	Annual	kl									
19	Total Quantity HSDO / Diesel consumed in Slabbing Mills	Annual	kl									
20	Total Quantity HSDO / Diesel consumed in Billet Mills	Annual	kl									
21	Total Quantity HSDO / Diesel consumed in Light Merchant Mills	Annual	kl									
22	Total Quantity HSDO / Diesel consumed in Medium Merchant & Structural Mills	Annual	kl									



23	Total Quantity HSDO / Diesel consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	kl								
24	Total Quantity HSDO / Diesel consumed in Axle Mills	Annual	kl								
25	Total Quantity HSDO / Diesel consumed in Skelp Mills	Annual	kl								
26	Total Quantity HSDO / Diesel consumed in Merchant Mills	Annual	kl								
27	Total Quantity HSDO / Diesel consumed in Bar & Rod Mills	Annual	kl								
28	Total Quantity HSDO / Diesel consumed in Wire Rod Mills	Annual	kl								
29	Total Quantity HSDO / Diesel consumed in Light Structural Mills	Annual	kl								
30	Total Quantity HSDO / Diesel consumed in Plate Mills	Annual	kl								
31	Total Quantity HSDO / Diesel consumed in Hot Strip Mills	Annual	kl								
32	Total Quantity HSDO / Diesel consumed in Compact Strip Mills	Annual	kl								
33	Total Quantity HSDO / Diesel consumed in Cold Rolling Mills	Annual	kl								



34	Total Quantity HSDO / Diesel consumed in Pipe Mills	Annual	kl								
35	Total Quantity HSDO / Diesel consumed in Silicon Steel Mills	Annual	kl								
36	Total Quantity HSDO / Diesel consumed in Oxygen Plants	Annual	kl								
37	Total Quantity HSDO / Diesel consumed in Boilers (not included in other Plants / Mills)	Annual	kl								
38	Total Quantity HSDO / Diesel consumed in DG Sets	Annual	kl								
39	Total Quantity HSDO / Diesel consumed in Power Plants (ST)	Annual	kl								
40	Total Quantity HSDO / Diesel consumed in Producer Gas Plants	Annual	kl								
41	Total Quantity HSDO / Diesel consumed in Auxiliary Plants	Annual	kl								
42	Total Quantity HSDO / Diesel Lost in DC's premises	D.3.7 - { Sum(D.3.8 : D.3.41) }	kl								
43	Thermal Energy Used in Power Generation (DG Set)	(D.3.1 x D.3.38) / 1000	Gcal								
44	Thermal Energy Used in Power Generation (ST)	(D.3.1 x D.3.39) / 1000	Gcal								



45	Thermal Energy Used in Process	$\left[\{ D.3.1 \times \text{Sum}(D.3.8 : D.3.42) \} - D.3.43 - D.3.44 \right] / 1000$	Gcal																	
D.4	Light Diesel Oil (LDO)																			
1	Average Net Calorific Value of LDO	Annual	kcal / litre																	
2	Average Density of LDO	Annual	kg/ltr																	
3	Total Quantity LDO Received at DC's Premises	Annual	kl																	
4	Yearly Opening Balance of LDO Stocked at DC's premises	Annual	kl																	
5	Yearly Closing Balance of Total LDO Stocked at DC's premises	Annual	kl																	
6	Total Quantity LDO Sold	Annual	kl																	
7	Total Quantity LDO consumed in DC's premises	$D.4.3 + D.4.4 - D.4.5 - D.4.6$	kl																	
8	Total Quantity LDO consumed in Coke Oven Plant	Annual	kl																	
9	Total Quantity LDO consumed in Pellet Plant	Annual	kl																	
10	Total Quantity LDO consumed in Sinter Plant	Annual	kl																	
11	Total Quantity LDO consumed in Gas based HBI/DRI Plant	Annual	kl																	
12	Total Quantity LDO consumed in Coal-based HBI/DRI Plant	Annual	kl																	
13	Total Quantity LDO consumed in Corex Plant	Annual	kl																	



14	Total Quantity LDO consumed in Blast Furnace Plant	Annual	kl									
15	Total Quantity LDO consumed in Calcining Plant	Annual	kl									
16	Total Quantity LDO consumed in Steel Melting & Casting Plant	Annual	kl									
17	Total Quantity LDO consumed in Wheel Mills	Annual	kl									
18	Total Quantity LDO consumed in Blooming Mills	Annual	kl									
19	Total Quantity LDO consumed in Slabbing Mills	Annual	kl									
20	Total Quantity LDO consumed in Billet Mills	Annual	kl									
21	Total Quantity LDO consumed in Light Merchant Mills	Annual	kl									
22	Total Quantity LDO consumed in Medium Merchant & Structural Mills	Annual	kl									
23	Total Quantity LDO consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	kl									
24	Total Quantity LDO consumed in Axle Mills	Annual	kl									
25	Total Quantity LDO consumed in Skelp Mills	Annual	kl									



26	Total Quantity LDO consumed in Merchant Mills	Annual	kl								
27	Total Quantity LDO consumed in Bar & Rod Mills	Annual	kl								
28	Total Quantity LDO consumed in Wire Rod Mills	Annual	kl								
29	Total Quantity LDO consumed in Light Structural Mills	Annual	kl								
30	Total Quantity LDO consumed in Plate Mills	Annual	kl								
31	Total Quantity LDO consumed in Hot Strip Mills	Annual	kl								
32	Total Quantity LDO consumed in Compact Strip Mills	Annual	kl								
33	Total Quantity LDO consumed in Cold Rolling Mills	Annual	kl								
34	Total Quantity LDO consumed in Pipe Mills	Annual	kl								
35	Total Quantity LDO consumed in Silicon Steel Mills	Annual	kl								
36	Total Quantity LDO consumed in Oxygen Plants	Annual	kl								
37	Total Quantity LDO consumed in Boilers (not included in other Plants / Mills)	Annual	kl								



38	Total Quantity LDO consumed in DG Sets	Annual	kl									
39	Total Quantity LDO consumed in Power Plants (ST)	Annual	kl									
40	Total Quantity LDO consumed in Producer Gas Plants	Annual	kl									
41	Total Quantity LDO consumed in Auxiliary Plants	Annual	kl									
42	Total Quantity LDO Lost in DC's premises	D.4.7 - { Sum(D.4.8 : D.4.41) }	kl									
43	Thermal Energy Used in Power Generation (DG Set)	(D.4.1 x D.4.38) / 1000	Gcal									
44	Thermal Energy Used in Power Generation (ST)	(D.4.1 x D.4.39) / 1000	Gcal									
45	Thermal Energy Used in Process	[{ D.4.1 x Sum(D.4.8 : D.4.42) } - D.4.43 - D.4.44] / 1000	Gcal									
D.5	Liquid Waste (pl. specify and enclose referred CPCB guidelines)	Thermal Energy Input through liquid waste, mentioned in CPCB guidelines, not to be taken into account in process										
1	Total Quantity Liquid Waste Received at DC's Premises	Annual	kl									



2	Yearly Opening Balance of Total Liquid Waste Stocked at DC's premises	Annual	kl							
3	Yearly Closing Balance of Total Liquid Waste Stocked at DC's premises	Annual	kl							
4	Total Quantity Biomass / Renewable Liquid Fuels Sold	Annual	kl							
5	Total Quantity Liquid Waste consumed in DC's premises	D.5.1 + D.5.2 - D.5.3 - D.5.4	kl							
6	Total Quantity Liquid Waste Consumed in Coke Oven Plants	Annual	kl							
7	Average Net Calorific Value of Liquid Waste charged in Coke Oven Plants	Annual	kcal / litre							
8	Total Quantity Liquid Waste Consumed in Pellet Plants	Annual	kl							
9	Average Net Calorific Value of Liquid Waste charged in Pellet Plants	Annual	kcal / litre							
10	Total Quantity Liquid Waste Consumed in Sinter Plants	Annual	kl							
11	Average Net Calorific Value of Liquid Waste charged in Sinter Plants	Annual	kcal / litre							
12	Total Quantity Liquid Waste Consumed in Coal-based HBI/DRI Plants	Annual	kl							



13	Average Net Calorific Value of Liquid Waste charged in Coal-based HBI/DRI Plants	Annual	kcal / litre							
14	Total Quantity Liquid Waste Consumed in Corex Plants	Annual	kl							
15	Average Net Calorific Value of Liquid Waste charged in Corex Plants	Annual	kcal / litre							
16	Total Quantity Liquid Waste Consumed in Blast Furnace Plants	Annual	kl							
17	Average Net Calorific Value of Liquid Waste charged / injected in Blast Furnace Plants	Annual	kcal / litre							
18	Total Quantity Liquid Waste Consumed in Calcining Plants	Annual	kl							
19	Average Net Calorific Value of Liquid Waste charged in Calcining Plants	Annual	kcal / litre							
20	Total Quantity Liquid Waste Consumed in Steel Melting & Casting Plants	Annual	kl							
21	Average Net Calorific Value of Liquid Waste charged in Steel Melting & Casting Plants	Annual	kcal / litre							
22	Total Quantity Liquid Waste Consumed in Wheel Mills	Annual	kl							



23	Average Net Calorific Value of Liquid Waste charged in Wheel Mills	Annual	kcal / litre							
24	Total Quantity Liquid Waste Consumed in Blooming Mills	Annual	kl							
25	Average Net Calorific Value of Liquid Waste charged in Blooming Mills	Annual	kcal / litre							
26	Total Quantity Liquid Waste Consumed in Slabbing Mills	Annual	kl							
27	Average Net Calorific Value of Liquid Waste charged in Slabbing Mills	Annual	kcal / litre							
28	Total Quantity Liquid Waste Consumed in Billet Mills	Annual	kl							
29	Average Net Calorific Value of Liquid Waste charged in Billet Mills	Annual	kcal / litre							
30	Total Quantity Liquid Waste Consumed in Light Merchant Mills	Annual	kl							
31	Average Net Calorific Value of Liquid Waste charged in Light Merchant Mills	Annual	kcal / litre							
32	Total Quantity Liquid Waste Consumed in Medium Merchant & Structural Mills	Annual	kl							



33	Average Net Calorific Value of Liquid Waste charged in Medium Merchant & Structural Mills	Annual	kcal / litre							
34	Total Quantity Liquid Waste Consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	kl							
35	Average Net Calorific Value of Liquid Waste charged in Rail / Beam / Section / Heavy Structural Mills	Annual	kcal / litre							
36	Total Quantity Liquid Waste Consumed in Axle Mills	Annual	kl							
37	Average Net Calorific Value of Liquid Waste charged in Axle Mills	Annual	kcal / litre							
38	Total Quantity Liquid Waste Consumed in Skelp Mills	Annual	kl							
39	Average Net Calorific Value of Liquid Waste charged in Skelp Mills	Annual	kcal / litre							
40	Total Quantity Liquid Waste Consumed in Merchant Mills	Annual	kl							
41	Average Net Calorific Value of Liquid Waste charged in Merchant Mills	Annual	kcal / litre							
42	Total Quantity Liquid Waste Consumed in Bar & Rod Mills	Annual	kl							



43	Average Net Calorific Value of Liquid Waste charged in Bar & Rod Mills	Annual	kcal / litre						
44	Total Quantity Liquid Waste Consumed in Wire Rod Mills	Annual	kl						
45	Average Net Calorific Value of Liquid Waste charged in Wire Rod Mills	Annual	kcal / litre						
46	Total Quantity Liquid Waste Consumed in Light Structural Mills	Annual	kl						
47	Average Net Calorific Value of Liquid Waste charged in Light Structural Mills	Annual	kcal / litre						
48	Total Quantity Liquid Waste Consumed in Plate Mills	Annual	kl						
49	Average Net Calorific Value of Liquid Waste charged in Plate Mills	Annual	kcal / litre						
50	Total Quantity Liquid Waste Consumed in Hot Strip Mills	Annual	kl						
51	Average Net Calorific Value of Liquid Waste charged in Hot Strip Mills	Annual	kcal / litre						
52	Total Quantity Liquid Waste Consumed in Compact Strip Mills	Annual	kl						



53	Average Net Calorific Value of Liquid Waste charged in Compact Strip Mills	Annual	kcal / litre							
54	Total Quantity Liquid Waste Consumed in Cold Rolling Mills	Annual	kl							
55	Average Net Calorific Value of Liquid Waste charged in Cold Rolling Mills	Annual	kcal / litre							
56	Total Quantity Liquid Waste Consumed in Pipe Mills	Annual	kl							
57	Average Net Calorific Value of Liquid Waste charged in Compact Pipe Mills	Annual	kcal / litre							
58	Total Quantity Liquid Waste Consumed in Silicon Steel Mills	Annual	kl							
59	Average Net Calorific Value of Liquid Waste charged in Silicon Steel Mills	Annual	kcal / litre							
60	Total Quantity Liquid Waste Consumed in Oxygen Plants	Annual	kl							
61	Average Net Calorific Value of Liquid Waste charged in Oxygen Plants	Annual	kcal / litre							
62	Total Quantity Liquid Waste Consumed in Boilers (not included in other Plants / Mills)	Annual	kl							



63	Average Net Calorific Value of Liquid Waste charged in Boilers (not included in other Plants / Mills)	Annual	kcal / litre						
64	Total Quantity Liquid Waste Consumed in DG sets	Annual	kl						
65	Average Net Calorific Value of Liquid Waste charged in DG Sets	Annual	kcal / litre						
66	Total Quantity Liquid Waste Consumed in Power Plants (ST)	Annual	kl						
67	Average Net Calorific Value of Liquid Waste charged in Power Plants (ST)	Annual	kcal / litre						
68	Total Quantity Liquid Waste Consumed in Producer Gas Plants	Annual	kl						
69	Average Net Calorific Value of Liquid Waste charged in Producer Gas Plants	Annual	kcal / litre						
70	Total Quantity Liquid Waste Consumed in Auxiliary Plants	Annual	kl						
71	Average Net Calorific Value of Liquid Waste charged in Auxiliary Plants	Annual	kcal / litre						



72	Total Quantity Liquid Waste Lost in DC's premises	D.5.5 - D.5.6 - D.5.8 - D.5.10 - D.5.12 - D.5.14 - D.5.16 - D.5.18 - D.5.20 - D.5.22 - D.5.24 - D.5.26 - D.5.28 - D.5.30 - D.5.32 - D.5.34 - D.5.36 - D.5.38 - D.5.40 - D.5.42 - D.5.44 - D.5.46 - D.5.48 - D.5.50 - D.5.52 - D.5.54 - D.5.56 - D.5.58 - D.5.60 - D.5.62 - D.5.64 - D.5.66 - D.5.68 - D.5.70	kl							
73	Average Net Calorific Value of Liquid Waste lost in DC's premises	Annual	kcal / litre							
74	Thermal Energy Used in Power Generation (DG Sets)	(D.5.64 x D.5.65) / 1000	Gcal							
75	Thermal Energy Used in Power Generation (ST)	(D.5.66 x D.5.67) / 1000	Gcal							

[illegible]



3	Average Net Calorific Value of Coal Chemicals produced in Coke Oven Plants	Annual	kcal / litre							
4	Total Quantity of Coal Chemicals produced in Producer Gas Plants	Annual	kl							
5	Average Net Calorific Value of Coal Chemicals produced in Producer Gas Plants	Annual	kcal / litre							
6	Yearly Opening Balance of Total Coal Chemicals Stocked at DC's premises	Annual	kl							
7	Yearly Closing Balance of Total Coal Chemicals Stocked at DC's premises	Annual	kl							
8	Total Quantity Coal Chemicals Sold	Annual	kl							
9	Total Quantity Coal Chemicals consumed in DC's premises	D.6.1 + D.6.2 + D.6.6 - D.6.7 - D.6.8	kl							
10	Total Quantity Coal Chemicals Consumed in Coke Oven Plants	Annual	kl							
11	Average Net Calorific Value of Coal Chemicals charged in Coke Oven Plants	Annual	kcal / litre							
12	Total Quantity Coal Chemicals Consumed in Pellet Plants	Annual	kl							
13	Average Net Calorific Value of Coal Chemicals charged in Pellet Plants	Annual	kcal / litre							



14	Total Quantity Coal Chemicals Consumed in Sinter Plants	Annual	kl							
15	Average Net Calorific Value of Coal Chemicals charged in Sinter Plants	Annual	kcal / litre							
16	Total Quantity Coal Chemicals Consumed in Coal-based HBI/DRI Plants	Annual	kl							
17	Average Net Calorific Value of Coal Chemicals charged in Coal-based HBI/DRI Plants	Annual	kcal / litre							
18	Total Quantity Coal Chemicals Consumed in Corex Plants	Annual	kl							
19	Average Net Calorific Value of Coal Chemicals charged in Corex Plants	Annual	kcal / litre							
20	Total Quantity Coal Chemicals Consumed in Blast Furnace Plants	Annual	kl							
21	Average Net Calorific Value of Coal Chemicals charged / injected in Blast Furnace Plants	Annual	kcal / litre							
22	Total Quantity Coal Chemicals Consumed in Calcining Plants	Annual	kl							
23	Average Net Calorific Value of Coal Chemicals charged in Calcining Plants	Annual	kcal / litre							



24	Total Quantity Coal Chemicals Consumed in Steel Melting & Casting Plants	Annual	kl								
25	Average Net Calorific Value of Coal Chemicals charged in Steel Melting & Casting Plants	Annual	kcal / litre								
26	Total Quantity Coal Chemicals Consumed in Wheel Mills	Annual	kl								
27	Average Net Calorific Value of Coal Chemicals charged in Wheel Mills	Annual	kcal / litre								
28	Total Quantity Coal Chemicals Consumed in Blooming Mills	Annual	kl								
29	Average Net Calorific Value of Coal Chemicals charged in Blooming Mills	Annual	kcal / litre								
30	Total Quantity Coal Chemicals Consumed in Slabbing Mills	Annual	kl								
31	Average Net Calorific Value of Coal Chemicals charged in Slabbing Mills	Annual	kcal / litre								
32	Total Quantity Coal Chemicals Consumed in Billet Mills	Annual	kl								
33	Average Net Calorific Value of Coal Chemicals charged in Billet Mills	Annual	kcal / litre								
34	Total Quantity Coal Chemicals Consumed in Light Merchant Mills	Annual	kl								



35	Average Net Calorific Value of Coal Chemicals charged in Light Merchant Mills	Annual	kcal / litre						
36	Total Quantity Coal Chemicals Consumed in Medium Merchant & Structural Mills	Annual	kl						
37	Average Net Calorific Value of Coal Chemicals charged in Medium Merchant & Structural Mills	Annual	kcal / litre						
38	Total Quantity Coal Chemicals Consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	kl						
39	Average Net Calorific Value of Coal Chemicals charged in Rail / Beam / Section / Heavy Structural Mills	Annual	kcal / litre						
40	Total Quantity Coal Chemicals Consumed in Axle Mills	Annual	kl						
41	Average Net Calorific Value of Coal Chemicals charged in Axle Mills	Annual	kcal / litre						
42	Total Quantity Coal Chemicals Consumed in Skelp Mills	Annual	kl						
43	Average Net Calorific Value of Coal Chemicals charged in Skelp Mills	Annual	kcal / litre						
44	Total Quantity Coal Chemicals Consumed in Merchant Mills	Annual	kl						



45	Average Net Calorific Value of Coal Chemicals charged in Merchant Mills	Annual	kcal / litre							
46	Total Quantity Coal Chemicals Consumed in Bar & Rod Mills	Annual	kl							
47	Average Net Calorific Value of Coal Chemicals charged in Bar & Rod Mills	Annual	kcal / litre							
48	Total Quantity Coal Chemicals Consumed in Wire Rod Mills	Annual	kl							
49	Average Net Calorific Value of Coal Chemicals charged in Wire Rod Mills	Annual	kcal / litre							
50	Total Quantity Coal Chemicals Consumed in Light Structural Mills	Annual	kl							
51	Average Net Calorific Value of Coal Chemicals charged in Light Structural Mills	Annual	kcal / litre							
52	Total Quantity Coal Chemicals Consumed in Plate Mills	Annual	kl							
53	Average Net Calorific Value of Coal Chemicals charged in Plate Mills	Annual	kcal / litre							
54	Total Quantity Coal Chemicals Consumed in Hot Strip Mills	Annual	kl							



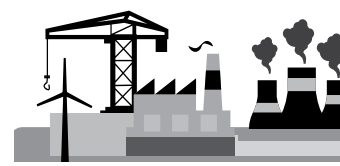
55	Average Net Calorific Value of Coal Chemicals charged in Hot Strip Mills	Annual	kcal / litre						
56	Total Quantity Coal Chemicals Consumed in Compact Strip Mills	Annual	kl						
57	Average Net Calorific Value of Coal Chemicals charged in Compact Strip Mills	Annual	kcal / litre						
58	Total Quantity Coal Chemicals Consumed in Cold Rolling Mills	Annual	kl						
59	Average Net Calorific Value of Coal Chemicals charged in Cold Rolling Mills	Annual	kcal / litre						
60	Total Quantity Coal Chemicals Consumed in Pipe Mills	Annual	kl						
61	Average Net Calorific Value of Coal Chemicals charged in Compact Pipe Mills	Annual	kcal / litre						
62	Total Quantity Coal Chemicals Consumed in Silicon Steel Mills	Annual	kl						
63	Average Net Calorific Value of Coal Chemicals charged in Silicon Steel Mills	Annual	kcal / litre						
64	Total Quantity Coal Chemicals Consumed in Oxygen Plants	Annual	kl						



65	Average Net Calorific Value of Coal Chemicals charged in Oxygen Plants	Annual	kcal / litre							
66	Total Quantity Coal Chemicals Consumed in Boilers (not included in other Plants / Mills)	Annual	kl							
67	Average Net Calorific Value of Coal Chemicals charged in Boilers (not included in other Plants / Mills)	Annual	kcal / litre							
68	Total Quantity Coal Chemicals Consumed in DG sets	Annual	kl							
69	Average Net Calorific Value of Coal Chemicals charged in DG Sets	Annual	kcal / litre							
70	Total Quantity Coal Chemicals Consumed in Power Plants (ST)	Annual	kl							
71	Average Net Calorific Value of Coal Chemicals charged in Power Plants (ST)	Annual	kcal / litre							
72	Total Quantity Coal Chemicals Consumed in Producer Gas Plants	Annual	kl							
73	Average Net Calorific Value of Coal Chemicals charged in Producer Gas Plants	Annual	kcal / litre							
74	Total Quantity Coal Chemicals Consumed in Auxiliary Plants	Annual	kl							



75	Average Net Calorific Value of Coal Chemicals charged in Auxiliary Plants	Annual	kcal / litre							
76	Total Quantity Coal Chemicals Lost in DC's premises	D.6.7 - D.6.8 - D.6.10 - D.6.12 - D.6.14 - D.6.16 - D.6.18 - D.6.20 - D.6.22 - D.6.24 - D.6.26 - D.6.28 - D.6.30 - D.6.32 - D.6.34 - D.6.36 - D.6.38 - D.6.40 - D.6.42 - D.6.44 - D.6.46 - D.6.48 - D.6.50 - D.6.52 - D.6.54 - D.6.56 - D.6.58 - D.6.60 - D.6.62 - D.6.64 - D.6.66 - D.6.68 - D.6.70 - D.6.72	kl							
77	Average Net Calorific Value of Coal Chemicals lost in DC's premises	Annual	kcal / litre							
78	Thermal Energy Used in Power Generation (DG Sets)	$(D.6.66 \times D.6.67) / 1000$	Gcal							
79	Thermal Energy Used in Power Generation (ST)	$(D.6.68 \times D.6.69) / 1000$	Gcal							



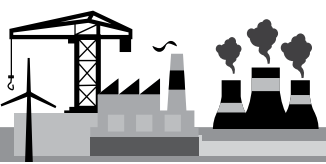
80	Thermal Energy Used in Process	{ (D.6.8 x D.6.9) + (D.6.10 x D.6.11) + (D.6.12 x D.6.13) + (D.6.14 x D.6.15) + (D.6.16 x D.6.17) + (D.6.18 x D.6.19) + (D.6.20 x D.6.21) + (D.6.22 x D.6.23) + (D.6.24 x D.6.25) + (D.6.26 x D.6.27) + (D.6.28 x D.6.29) + (D.6.30 x D.6.31) + (D.6.32 x D.6.33) + (D.6.34 x D.6.35) + (D.6.36 x D.6.37) + (D.6.38 x D.6.39) + (D.6.40 x D.6.41) + (D.6.42 x D.6.43) + (D.6.44 x D.6.45) + (D.6.46 x D.6.47) + (D.6.48 x D.6.49) + (D.6.50 x D.6.51) + (D.6.52 x D.6.53) + (D.6.54 x D.6.55) + (D.6.56 x D.6.57) + (D.6.58 x D.6.59) + (D.6.60 x D.6.61) + (D.6.62 x D.6.63) + (D.6.64 x D.6.65) + (D.6.70 x D.6.71) + (D.6.72 x D.6.73) + (D.6.74 x D.6.75) - (D.6.2 x D.6.3) } / 1000	Gcal						
D.7	Total Liquid Energy Used in Power Generation (DG Set)	D.1.43 + D.2.43 + D.3.43 + D.4.43 + D.5.74 + D.6.78	Million kcal						



D.8	Total Liquid Energy Used in Power Generation (ST)	D.1.44 + D.2.44 + D.3.44 + D.4.44 + D.5.75 + D.6.79	Million kcal							
D.9	Total Liquid Energy Used in Process	D.1.45 + D.2.44 + D.3.45 + D.4.45 + D.6.80	Million kcal							
E	Gaseous Fuel									
E.1	Compressed Natural Gas (NG) like CNG, PNG, LNG, CBM etc.									
1	Average Net Calorific Value of NG	Annual	kcal / Sm ³							
2	Average Density of NG	Annual	kg / Sm ³							
3	Total Quantity NG Received at DC's Premises	Annual	1000 Sm ³							
4	Yearly Opening Balance of NG Stocked at DC's premises	Annual	1000 Sm ³							
5	Yearly Closing Balance of Total NG Stocked at DC's premises	Annual	1000 Sm ³							
6	Total Quantity NG Sold	Annual	1000 Sm ³							
7	Total Quantity NG consumed in DC's premises	E.1.3 + E.1.4 - E.1.5 - E.1.6	1000 Sm ³							
8	Total Quantity NG consumed in Coke Oven Plant	Annual	1000 Sm ³							
9	Total Quantity NG consumed in Pellet Plant	Annual	1000 Sm ³							



10	Total Quantity NG consumed in Sinter Plant	Annual	1000 Sm ³								
11	Total Quantity NG consumed in Gas based HBI/DRI Plant	Annual	1000 Sm ³								
12	Total Quantity NG consumed in Coal-based HBI/DRI Plant	Annual	1000 Sm ³								
13	Total Quantity NG consumed in Corex Plant	Annual	1000 Sm ³								
14	Total Quantity NG consumed in Blast Furnace Plant	Annual	1000 Sm ³								
15	Total Quantity NG consumed in Calcining Plant	Annual	1000 Sm ³								
16	Total Quantity NG consumed in Steel Melting & Casting Plant	Annual	1000 Sm ³								
17	Total Quantity NG consumed in Wheel Mills	Annual	1000 Sm ³								
18	Total Quantity NG consumed in Blooming Mills	Annual	1000 Sm ³								
19	Total Quantity NG consumed in Slabbing Mills	Annual	1000 Sm ³								
20	Total Quantity NG consumed in Billet Mills	Annual	1000 Sm ³								
21	Total Quantity NG consumed in Light Merchant Mills	Annual	1000 Sm ³								
22	Total Quantity NG consumed in Medium Merchant & Structural Mills	Annual	1000 Sm ³								



23	Total Quantity NG consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	1000 Sm ³							
24	Total Quantity NG consumed in Axle Mills	Annual	1000 Sm ³							
25	Total Quantity NG consumed in Skelp Mills	Annual	1000 Sm ³							
26	Total Quantity NG consumed in Merchant Mills	Annual	1000 Sm ³							
27	Total Quantity NG consumed in Bar & Rod Mills	Annual	1000 Sm ³							
28	Total Quantity NG consumed in Wire Rod Mills	Annual	1000 Sm ³							
29	Total Quantity NG consumed in Light Structural Mills	Annual	1000 Sm ³							
30	Total Quantity NG consumed in Plate Mills	Annual	1000 Sm ³							
31	Total Quantity NG consumed in Hot Strip Mills	Annual	1000 Sm ³							
32	Total Quantity NG consumed in Compact Strip Mills	Annual	1000 Sm ³							
33	Total Quantity NG consumed in Cold Rolling Mills	Annual	1000 Sm ³							
34	Total Quantity NG consumed in Pipe Mills	Annual	1000 Sm ³							
35	Total Quantity NG consumed in Silicon Steel Mills	Annual	1000 Sm ³							



36	Total Quantity NG consumed in Oxygen Plants	Annual	1000 Sm ³								
37	Total Quantity NG consumed in Boilers (not included in other Plants / Mills)	Annual	1000 Sm ³								
38	Total Quantity NG consumed in Power Plants (ST)	Annual	1000 Sm ³								
39	Total Quantity NG consumed in Power Plants (GT)	Annual	1000 Sm ³								
40	Total Quantity NG consumed in Producer Gas Plants	Annual	1000 Sm ³								
41	Total Quantity NG consumed in Auxiliary Plants	Annual	1000 Sm ³								
42	Total Quantity NG Lost in DC's premises	$E.1.7 - \{ \text{Sum}(E.1.8 : E.1.41) \}$	1000 Sm ³								
43	Thermal Energy Used in Power Generation (ST)	$(E.1.1 \times E.1.38) / 1000$	Gcal								
44	Thermal Energy Used in Power Generation (GT)	$(E.1.1 \times E.1.39) / 1000$	Gcal								
45	Thermal Energy Used in Process	$[\{ E.1.1 \times \text{Sum}(E.1.8 : E.1.42) \} - E.1.43 - E.1.44] / 1000$	Gcal								
E.2	Liquified Petroleum Gas (LPG)										
1	Average Net Calorific Value of LPG	Annual	kcal / Nm ³								
2	Average Density of LPG	Annual	kg / Nm ³								



3	Total Quantity LPG Received at DC's Premises	Annual	1000 Nm ³							
4	Yearly Opening Balance of LPG Stocked at DC's premises	Annual	1000 Nm ³							
5	Yearly Closing Balance of Total LPG Stocked at DC's premises	Annual	1000 Nm ³							
6	Total Quantity LPG Sold	Annual	1000 Nm ³							
7	Total Quantity LPG consumed in DC's premises	E.2.3 + E.2.4 - E.2.5 - E.2.6	1000 Nm ³							
8	Total Quantity LPG consumed in Coke Oven Plant	Annual	1000 Nm ³							
9	Total Quantity LPG consumed in Pellet Plant	Annual	1000 Nm ³							
10	Total Quantity LPG consumed in Sinter Plant	Annual	1000 Nm ³							
11	Total Quantity LPG consumed in Gas based HBI/DRI Plant	Annual	1000 Nm ³							
12	Total Quantity LPG consumed in Coal-based HBI/DRI Plant	Annual	1000 Nm ³							
13	Total Quantity LPG consumed in Corex Plant	Annual	1000 Nm ³							
14	Total Quantity LPG consumed in Blast Furnace Plant	Annual	1000 Nm ³							
15	Total Quantity LPG consumed in Calcining Plant	Annual	1000 Nm ³							



16	Total Quantity LPG consumed in Steel Melting & Casting Plant	Annual	1000 Nm ³							
17	Total Quantity LPG consumed in Wheel Mills	Annual	1000 Nm ³							
18	Total Quantity LPG consumed in Blooming Mills	Annual	1000 Nm ³							
19	Total Quantity LPG consumed in Slabbing Mills	Annual	1000 Nm ³							
20	Total Quantity LPG consumed in Billet Mills	Annual	1000 Nm ³							
21	Total Quantity LPG consumed in Light Merchant Mills	Annual	1000 Nm ³							
22	Total Quantity LPG consumed in Medium Merchant & Structural Mills	Annual	1000 Nm ³							
23	Total Quantity LPG consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	1000 Nm ³							
24	Total Quantity LPG consumed in Axle Mills	Annual	1000 Nm ³							
25	Total Quantity LPG consumed in Skelp Mills	Annual	1000 Nm ³							
26	Total Quantity LPG consumed in Merchant Mills	Annual	1000 Nm ³							
27	Total Quantity LPG consumed in Bar & Rod Mills	Annual	1000 Nm ³							



28	Total Quantity LPG consumed in Wire Rod Mills	Annual	1000 Nm ³							
29	Total Quantity LPG consumed in Light Structural Mills	Annual	1000 Nm ³							
30	Total Quantity LPG consumed in Plate Mills	Annual	1000 Nm ³							
31	Total Quantity LPG consumed in Hot Strip Mills	Annual	1000 Nm ³							
32	Total Quantity LPG consumed in Compact Strip Mills	Annual	1000 Nm ³							
33	Total Quantity LPG consumed in Cold Rolling Mills	Annual	1000 Nm ³							
34	Total Quantity LPG consumed in Pipe Mills	Annual	1000 Nm ³							
35	Total Quantity LPG consumed in Silicon Steel Mills	Annual	1000 Nm ³							
36	Total Quantity LPG consumed in Oxygen Plants	Annual	1000 Nm ³							
37	Total Quantity LPG consumed in Boilers (not included in other Plants / Mills)	Annual	1000 Nm ³							
38	Total Quantity LPG consumed in Power Plants (ST)	Annual	1000 Nm ³							
39	Total Quantity LPG consumed in Power Plants (GT)	Annual	1000 Nm ³							



40	Total Quantity LPG consumed in Producer Gas Plants	Annual	1000 Nm ³							
41	Total Quantity LPG consumed in Auxiliary Plants	Annual	1000 Nm ³							
42	Total Quantity LPG Lost in DC's premises	E.2.7 - { Sum(E.2.8 : E.2.41) }	1000 Nm ³							
43	Thermal Energy Used in Power Generation (ST)	(E.2.1 x E.2.38) / 1000	Gcal							
44	Thermal Energy Used in Power Generation (GT)	(E.2.1 x E.2.39) / 1000	Gcal							
45	Thermal Energy Used in Process	[{ E.2.1 x Sum(E.2.8 : E.2.42) } - E.2.43 - E.2.44] / 1000	Gcal							
E.3	Propane									
1	Average Net Calorific Value of Propane	Annual	kcal / Nm ³							
2	Average Density of Propane	Annual	kg / Nm ³							
3	Total Quantity Propane Received at DC's Premises	Annual	1000 Nm ³							
4	Yearly Opening Balance of Propane Stocked at DC's premises	Annual	1000 Nm ³							
5	Yearly Closing Balance of Total Propane Stocked at DC's premises	Annual	1000 Nm ³							
6	Total Quantity Propane Sold	Annual	1000 Nm ³							
7	Total Quantity Propane consumed in DC's premises	E.3.3 + E.3.4 - E.3.5 - E.3.6	1000 Nm ³							



8	Total Quantity Propane consumed in Coke Oven Plant	Annual	1000 Nm ³								
9	Total Quantity Propane consumed in Pellet Plant	Annual	1000 Nm ³								
10	Total Quantity Propane consumed in Sinter Plant	Annual	1000 Nm ³								
11	Total Quantity Propane consumed in Gas based HBI/DRI Plant	Annual	1000 Nm ³								
12	Total Quantity Propane consumed in Coal-based HBI/DRI Plant	Annual	1000 Nm ³								
13	Total Quantity Propane consumed in Corex Plant	Annual	1000 Nm ³								
14	Total Quantity Propane consumed in Blast Furnace Plant	Annual	1000 Nm ³								
15	Total Quantity Propane consumed in Calcining Plant	Annual	1000 Nm ³								
16	Total Quantity Propane consumed in Steel Melting & Casting Plant	Annual	1000 Nm ³								
17	Total Quantity Propane consumed in Wheel Mills	Annual	1000 Nm ³								
18	Total Quantity Propane consumed in Blooming Mills	Annual	1000 Nm ³								
19	Total Quantity Propane consumed in Slabbing Mills	Annual	1000 Nm ³								
20	Total Quantity Propane consumed in Billet Mills	Annual	1000 Nm ³								



21	Total Quantity Propane consumed in Light Merchant Mills	Annual	1000 Nm ³								
22	Total Quantity Propane consumed in Medium Merchant & Structural Mills	Annual	1000 Nm ³								
23	Total Quantity Propane consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	1000 Nm ³								
24	Total Quantity Propane consumed in Axle Mills	Annual	1000 Nm ³								
25	Total Quantity Propane consumed in Skelp Mills	Annual	1000 Nm ³								
26	Total Quantity Propane consumed in Merchant Mills	Annual	1000 Nm ³								
27	Total Quantity Propane consumed in Bar & Rod Mills	Annual	1000 Nm ³								
28	Total Quantity Propane consumed in Wire Rod Mills	Annual	1000 Nm ³								
29	Total Quantity Propane consumed in Light Structural Mills	Annual	1000 Nm ³								
30	Total Quantity Propane consumed in Plate Mills	Annual	1000 Nm ³								
31	Total Quantity Propane consumed in Hot Strip Mills	Annual	1000 Nm ³								
32	Total Quantity Propane consumed in Compact Strip Mills	Annual	1000 Nm ³								



33	Total Quantity Propane consumed in Cold Rolling Mills	Annual	1000 Nm ³							
34	Total Quantity Propane consumed in Pipe Mills	Annual	1000 Nm ³							
35	Total Quantity Propane consumed in Silicon Steel Mills	Annual	1000 Nm ³							
36	Total Quantity Propane consumed in Oxygen Plants	Annual	1000 Nm ³							
37	Total Quantity Propane consumed in Boilers (not included in other Plants / Mills)	Annual	1000 Nm ³							
38	Total Quantity Propane consumed in Power Plants (ST)	Annual	1000 Nm ³							
39	Total Quantity Propane consumed in Power Plants (GT)	Annual	1000 Nm ³							
40	Total Quantity Propane consumed in Producer Gas Plants	Annual	1000 Nm ³							
41	Total Quantity Propane consumed in Auxiliary Plants	Annual	1000 Nm ³							
42	Total Quantity Propane Lost in DC's premises	E.3.7 - { Sum(E.3.8 : E.3.41) }	1000 Nm ³							
43	Thermal Energy Used in Power Generation (ST)	(E.3.1 x E.3.38) / 1000	Gcal							
44	Thermal Energy Used in Power Generation (GT)	(E.3.1 x E.3.39) / 1000	Gcal							



45	Thermal Energy Used in Process	$\left[\frac{\{E.3.1 \times \text{Sum}(E.3.8 : E.3.42) - E.3.43 - E.3.44\}}{1000} \right]$	Gcal									
E.4	Coke Oven Gas (COG)											
1	Total Quantity COG Received at DC's Premises	Annual	1000 Nm ³									
2	Total Quantity of COG produced in Coke Oven Plants	Annual	1000 Nm ³									
3	Average Net Calorific Value of COG produced in Coke Oven Plants	Annual	kcal / Nm ³									
4	Yearly Opening Balance of Total COG Stocked at DC's premises	Annual	1000 Nm ³									
5	Yearly Closing Balance of Total COG Stocked at DC's premises	Annual	1000 Nm ³									
6	Total Quantity COG Sold	Annual	1000 Nm ³									
7	Total Quantity COG consumed in DC's premises	$E.4.1 + E.4.2 + E.4.4 - E.4.5 - E.4.6$	1000 Nm ³									
8	Average Net Calorific Value of COG consumed in DC's premises	Annual	kcal / Nm ³									
9	Total Quantity COG Consumed in Coke Oven Plants	Annual	1000 Nm ³									
10	Total Quantity COG Consumed in Pellet Plants	Annual	1000 Nm ³									
11	Total Quantity COG Consumed in Sinter Plants	Annual	1000 Nm ³									



12	Total Quantity COG Consumed in Gas-based HBI/DRI Plants	Annual	1000 Nm ³								
13	Total Quantity COG Consumed in Coal-based HBI/DRI Plants	Annual	1000 Nm ³								
14	Total Quantity COG Consumed in Corex Plants	Annual	1000 Nm ³								
15	Total Quantity COG Consumed in Blast Furnace Plants	Annual	1000 Nm ³								
16	Total Quantity COG Consumed in Calcining Plants	Annual	1000 Nm ³								
17	Total Quantity COG Consumed in Steel Melting & Casting Plants	Annual	1000 Nm ³								
18	Total Quantity COG Consumed in Wheel Mills	Annual	1000 Nm ³								
19	Total Quantity COG Consumed in Blooming Mills	Annual	1000 Nm ³								
20	Total Quantity COG Consumed in Slabbing Mills	Annual	1000 Nm ³								
21	Total Quantity COG Consumed in Billet Mills	Annual	1000 Nm ³								
22	Total Quantity COG Consumed in Light Merchant Mills	Annual	1000 Nm ³								
23	Total Quantity COG Consumed in Medium Merchant & Structural Mills	Annual	1000 Nm ³								



24	Total Quantity COG Consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	1000 Nm ³								
25	Total Quantity COG Consumed in Axle Mills	Annual	1000 Nm ³								
26	Total Quantity COG Consumed in Skelp Mills	Annual	1000 Nm ³								
27	Total Quantity COG Consumed in Merchant Mills	Annual	1000 Nm ³								
28	Total Quantity COG Consumed in Bar & Rod Mills	Annual	1000 Nm ³								
29	Total Quantity COG Consumed in Wire Rod Mills	Annual	1000 Nm ³								
30	Total Quantity COG Consumed in Light Structural Mills	Annual	1000 Nm ³								
31	Total Quantity COG Consumed in Plate Mills	Annual	1000 Nm ³								
32	Total Quantity COG Consumed in Hot Strip Mills	Annual	1000 Nm ³								
33	Total Quantity COG Consumed in Compact Strip Mills	Annual	1000 Nm ³								
34	Total Quantity COG Consumed in Cold Rolling Mills	Annual	1000 Nm ³								
35	Total Quantity COG Consumed in Pipe Mills	Annual	1000 Nm ³								
36	Total Quantity COG Consumed in Silicon Steel Mills	Annual	1000 Nm ³								



37	Total Quantity COG Consumed in Oxygen Plants	Annual	1000 Nm ³							
38	Total Quantity COG Consumed in Boilers (not included in other Plants / Mills)	Annual	1000 Nm ³							
39	Total Quantity COG Consumed in Power Plants (ST)	Annual	1000 Nm ³							
40	Total Quantity COG Consumed in Power Plants (GT)	Annual	1000 Nm ³							
41	Total Quantity COG Consumed in Producer Gas Plants	Annual	1000 Nm ³							
42	Total Quantity COG Consumed in Auxiliary Plants	Annual	1000 Nm ³							
43	Total Quantity COG Lost in DC's premises	$E.4.7 - \{ \text{Sum}(E.4.9 : E.4.42) \}$	1000 Nm ³							
44	Thermal Energy Used in Power Generation (ST)	$(E.4.8 \times E.4.39) / 1000$	Gcal							
45	Thermal Energy Used in Power Generation (GT)	$(E.4.8 \times E.4.40) / 1000$	Gcal							
46	Thermal Energy Used in Process	$[\{ E.4.8 \times \text{Sum}(E.4.9 : E.4.43) \} - E.4.44 - E.4.45 - \{ E.4.3 \times E.4.2 \}] / 1000$	Gcal							
E.5	Corex Gas									
1	Total Quantity Corex Gas Received at DC's Premises	Annual	1000 Nm ³							



2	Total Quantity of Corex Gas produced in Corex Plants	Annual	1000 Nm ³								
3	Average Net Calorific Value of Corex Gas produced in Corex Plants	Annual	kcal / Nm ³								
4	Yearly Opening Balance of Total Corex Gas Stocked at DC's premises	Annual	1000 Nm ³								
5	Yearly Closing Balance of Total Corex Gas Stocked at DC's premises	Annual	1000 Nm ³								
6	Total Quantity Corex Gas Sold	Annual	1000 Nm ³								
7	Total Quantity Corex Gas consumed in DC's premises	E.5.1 + E.5.2 + E.5.4 - E.5.5 - E.5.6	1000 Nm ³								
8	Average Net Calorific Value of Corex Gas consumed in DC's premises	Annual	kcal / Nm ³								
9	Total Quantity Corex Gas Consumed in Coke Oven Plants	Annual	1000 Nm ³								
10	Total Quantity Corex Gas Consumed in Pellet Plants	Annual	1000 Nm ³								
11	Total Quantity Corex Gas Consumed in Sinter Plants	Annual	1000 Nm ³								
12	Total Quantity Corex Gas Consumed in Gas-based HBI/DRI Plants	Annual	1000 Nm ³								
13	Total Quantity Corex Gas Consumed in Coal-based HBI/DRI Plants	Annual	1000 Nm ³								



14	Total Quantity Corex Gas Consumed in Corex Plants	Annual	1000 Nm ³							
15	Total Quantity Corex Gas Consumed in Blast Furnace Plants	Annual	1000 Nm ³							
16	Total Quantity Corex Gas Consumed in Calcining Plants	Annual	1000 Nm ³							
17	Total Quantity Corex Gas Consumed in Steel Melting & Casting Plants	Annual	1000 Nm ³							
18	Total Quantity Corex Gas Consumed in Wheel Mills	Annual	1000 Nm ³							
19	Total Quantity Corex Gas Consumed in Blooming Mills	Annual	1000 Nm ³							
20	Total Quantity Corex Gas Consumed in Slabbing Mills	Annual	1000 Nm ³							
21	Total Quantity Corex Gas Consumed in Billet Mills	Annual	1000 Nm ³							
22	Total Quantity Corex Gas Consumed in Light Merchant Mills	Annual	1000 Nm ³							
23	Total Quantity Corex Gas Consumed in Medium Merchant & Structural Mills	Annual	1000 Nm ³							
24	Total Quantity Corex Gas Consumed in Rail / Beam / Section / Heavy Structural Mills	Annual	1000 Nm ³							
25	Total Quantity Corex Gas Consumed in Axle Mills	Annual	1000 Nm ³							



26	Total Quantity Corex Gas Consumed in Skelp Mills	Annual	1000 Nm ³							
27	Total Quantity Corex Gas Consumed in Merchant Mills	Annual	1000 Nm ³							
28	Total Quantity Corex Gas Consumed in Bar & Rod Mills	Annual	1000 Nm ³							
29	Total Quantity Corex Gas Consumed in Wire Rod Mills	Annual	1000 Nm ³							
30	Total Quantity Corex Gas Consumed in Light Structural Mills	Annual	1000 Nm ³							
31	Total Quantity Corex Gas Consumed in Plate Mills	Annual	1000 Nm ³							
32	Total Quantity Corex Gas Consumed in Hot Strip Mills	Annual	1000 Nm ³							
33	Total Quantity Corex Gas Consumed in Compact Strip Mills	Annual	1000 Nm ³							
34	Total Quantity Corex Gas Consumed in Cold Rolling Mills	Annual	1000 Nm ³							
35	Total Quantity Corex Gas Consumed in Pipe Mills	Annual	1000 Nm ³							
36	Total Quantity Corex Gas Consumed in Silicon Steel Mills	Annual	1000 Nm ³							
37	Total Quantity Corex Gas Consumed in Oxygen Plants	Annual	1000 Nm ³							