

SOUTHCO

SOUTHERN ELECTRICITY SUPPLY COMPANY OF ORISSA LTD.

SOUTHCO TOTAL		M.U.
ENERGY ACCOUNT & LOSS ASSESMEMENT - JUL 09		
A	ENERGY RECEIVED FROM GRIDCO	185.29
B	ENERGY SOLD DIRECTLY TO 132 KV CONSUMERS	20.21
C	ENERGY INPUT TO 11 KV SYSTEM FROM 132 KV NETWORK	2.92
D	ENERGY INPUT TO 33 KV SYSTEM FROM 132 KV NETWORK [A-(B+C)]	162.16
E	ENERGY SOLD DIRECTLY TO 33 KV CONSUMERS (FROM BILLING)	13.94
F	ENERGY INPUT TO LT SECTOR FROM 33 KV SYSTEM	1.627
G	ENERGY INPUT TO 11 KV SYSTEM FROM 33 KV NETWORK (SUM OF INPUT OF INDIVIDUAL 11 KV SYSTEM)	141.26
H	ENERGY SOLD DIRECTLY TO 11 KV CONSUMERS (FROM BILLING)	8.88
I	ENERGY INPUT TO 11 KV SYSTEM FROM 132, 33 KV SYSTEM = [C+G]	144.18
J	ENERGY INPUT TO 11 KV & LT SYSTEM =[F+I]	145.81
K	LT BILLING [FROM MIS]	56.63
L	MU LOSS IN 33 KV SYSTEM, (33/11) KV TR., (33/0.4) KV TR. = [D-(E+F+G)]	5.33
M	MU LOSS IN 11 KV & LT SYSTEM, =[J- (H+K)]	80.30
N	% LOSS IN 33 SYSTEM w.r.t. INPUT TO SOUTHCO = [L/A]*100	2.88%
P	% LOSS IN 33 SYSTEM w.r.t. INPUT TO 33 KV SYSTEM =[L/ D]*100	3.29%
Q	% LOSS IN 11 KV & LT SYSTEM w.r.t INPUT TO SOUTHCO =[M/A]*100	43.34%
R	% LOSS IN 11 KV & LT SYSTEM w.r.t INPUT TO 11KV & LT SYSTEM = [M/J]*100	55.07%

N.B-1. The input MU is reconciled with the BST Bill within permissible limits of metering.

2. The energy balance sheet as well as feeder wise losses are rough figure subject to refinement on rectification of metering defects and proper consumer indexing.