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LIST OF SYMBOLS AND ABBREVIATIONS

SYMBOLS

λ	- BCC decision variable
m	- Different inputs
s	- Different outputs
D^t	- Distance function at time period t
D^{t+1}	- Distance function at time period $t+1$
DMU_o	- DMU under consideration
x_{io}	- i^{th} input of DMU_o
x_{ij}	- i^{th} input of j^{th} DMU
DMU_j	- j^{th} DMU
$M^{t,t+1}$	- Malmquist index over a period
n	- Number of DMU
θ	- Relative Efficiency
y_{ro}	- r^{th} output of DMU_o
y_{rj}	- r^{th} output of j^{th} DMU
$s_i^{*+} = s_r^{*-}$	- Slack and Surplus variable
u_i, v_r	- Weight of inputs and outputs

ABBREVIATIONS

APDRP	- Accelerated Power Development and Reform Programme
ACC	- Accident Compensation Corporation
AT&C	- Aggregate Technical and Commercial
AECO	- Ahmedabad Electricity company
BCC	- Banker, Charnes and Cooper
BU	- Billion Units
BSES	- Bombay Suburban Electric Supply Corporation

CESC	-	Calcutta Electric Supply Corporation Limited
CEA	-	Central Electricity Authority
CERC	-	Central Electricity Regulatory Commission
CCR	-	Charnes, Cooper and Rhodes
CRS	-	Constant Returns to Scale
COLS	-	Corrected Ordinary Least Square
DEA	-	Data Envelopment Analysis
DMU	-	Decision Making Unit
DRS	-	Decreasing Returns to Scale
DRUM	-	Distribution Reform, Upgrades and Management
GoI	-	Government of India
HVDC	-	High Voltage Direct Current systems
IRS	-	Increasing Returns to Scale
IPP	-	Independent Power Producers
MPI	-	Malmquist Productivity Index
MPSS	-	Most Productive Scale Size
NEP	-	National Electrical Policy
NHPC	-	National Hydro Power Corporation
NTPC	-	National Thermal Power Corporation
NEEPCO	-	North Eastern Electric Power Corporation
OLS	-	Ordinary Least Square
PFC	-	Power Finance Corporation
PGCIL	-	Power Grid Corporation of India Ltd.,
PTC	-	Power Trading Corporation
PTE	-	Pure Technical Efficiency
ROE	-	Relative Operational Efficiency
ROC	-	Republic Of Canada
RTS	-	Returns to Scale
SE	-	Scale Efficiency

SEI	-	Scale Efficiency Index
SEB	-	State Electricity Board
SERC	-	State Electricity Regulatory Commission
SOEU	-	State Owned Electric Utility
SFA	-	Stochastic Frontier Analysis
SAIDI	-	System Average Interruption Duration Index
SAIFI	-	System Average Interruption Frequency Index
TE	-	Technical Efficiency
TEC	-	Technical Efficiency Change
TC	-	Technology Change
TEDDY	-	TERI Energy Directory and Data Year book
TFP	-	Total Factor Productivity
VRS	-	Variable Returns to Scale