<table>
<thead>
<tr>
<th>Symbol/Abbr</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASDM</td>
<td>Advanced Shoreline Dispersion Model</td>
</tr>
<tr>
<td>AEROMOD</td>
<td>American Meteorological Society / Environmental Protection Agency Regulatory Model</td>
</tr>
<tr>
<td>NH$_3$</td>
<td>Ammonia</td>
</tr>
<tr>
<td>ADM</td>
<td>Atmospheric Diffusion Model</td>
</tr>
<tr>
<td>CALPUFF</td>
<td>California PUFF model</td>
</tr>
<tr>
<td>CO$_2$</td>
<td>Carbon Dioxide</td>
</tr>
<tr>
<td>CO</td>
<td>Carbon Monoxide</td>
</tr>
<tr>
<td>CPCB</td>
<td>Central Pollution Control Board</td>
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<tr>
<td>CPCL</td>
<td>Chennai Petroleum Corporation Ltd</td>
</tr>
<tr>
<td>Cr(VI)</td>
<td>Chromium 6</td>
</tr>
<tr>
<td>COR</td>
<td>Correlation Coefficient</td>
</tr>
<tr>
<td>m$^3$</td>
<td>Cubic meter</td>
</tr>
<tr>
<td>$^\circ$C</td>
<td>Degree centigrade</td>
</tr>
<tr>
<td>$^\circ$K</td>
<td>Degree Kelvin</td>
</tr>
<tr>
<td>x</td>
<td>Downwind distance, m</td>
</tr>
<tr>
<td>E</td>
<td>East</td>
</tr>
<tr>
<td>ESE</td>
<td>East of South East</td>
</tr>
<tr>
<td>H</td>
<td>Effective stack height</td>
</tr>
<tr>
<td>ESPs</td>
<td>Electro Static Precipitators</td>
</tr>
<tr>
<td>ETPS</td>
<td>Ennore Thermal Power station</td>
</tr>
<tr>
<td>ET_STAK</td>
<td>Ennore Thermal Power station Stack</td>
</tr>
<tr>
<td>EIA</td>
<td>Environmental Impact Assessment</td>
</tr>
<tr>
<td>EBD</td>
<td>Equivalent Building Dimensions</td>
</tr>
<tr>
<td>FEMS</td>
<td>Fumigant Emissions Modelling System</td>
</tr>
<tr>
<td>GOI</td>
<td>Government of India</td>
</tr>
</tbody>
</table>
GPM - Gaussian Plume Model
GRS - Generic Reaction Set
GSD - Geometric Standard Deviation
GPS - Global Positioning System
GLC - Ground Level Concentration
HVS - High Volume Air Samplers
y - Horizontal plume centre line, m
\bar{u} - Horizontal wind speed at source level, m/s
IA - Index of Agreement
IMD - India Meteorological Department
IIT - Indian Institute of Technology
IS - Indian Standards (BIS – Bureau of Indian Standards)
ISCLT - Industrial source Complex Long Term
ISCST3 - Industrial source Complex Short Term Version 3
I-TEQ - International toxic Equivalent
Km - Kilo meter
KTPS - Kota Thermal Power Station
LWM - Low Wind Model
MFL - Madras Fertilizers Ltd.
MMD - Mass Median Diameter
MW - Mega Watt
PCRAMMET - Meteorological Pre Processor Program
MT - Metric Ton
\mu g/s - microgram per second
\mu m - micrometer
MMTPA - Million Metric Tons per Annum
FB - Model Fractional Bias
MSWI - Municipal Soil Waste Incinerator
NTPC - National Thermal Power Corporation
NMSE - Normalised Mean Square Error
N - North
NC_STAK - North Chennai Thermal Power Station Stack
NCTPS - North Chennai Thermal Power Station
NE - North East
NNE - North of North East
NNW - North of North West
NW - North West
NTECL - NTPC – Tamil Nadu Energy company Limited
OB - Observed values of SO$_2$
OCD - Offshore and Coastal Dispersion Model
NO$_x$ - Oxides of Nitrogen
PM 10 - Particulate Matter – 10 micron size
PM 2.5 - Particulate Matter – 2.5 micron size
PRIME - Plume Rise. Model Enhancements
Q - Pollutant release rate, µg/s.
PCDD/F$_s$ - Poly Chlorinated – p – Dioxins and Dibenzofurans
PAH - Polycyclic Aromatic Hydrocarbons
PR - Predicted values of SO$_2$
PSD - Prevention of Significant Deterioration
RASS - Radio Acoustic Sounding System
R - Regression Coefficient
SDM - Shoreline Dispersion Model
SODAR - Sonic Detection And Ranging
S - South
SE - South East
SSE - South of South East
SSW - South of South West
SW - South West
SD - Standard Deviation
SO₂ - Sulphur di Oxide
SPM - Suspended Particulate Matter
TNEB - Tamil Nadu Electricity Board
TPL - Tamil Nadu Petro Products Limited
TNPCB - Tamil Nadu Pollution Control Board
TCM - Tetrachloromercurate
TAPM - The Air Pollution Model
TIBL - Thermal Internal boundary Layer
TSP - Total Suspended Particulate
USEPA - United States Environmental Protection Agency
USA - United States of America
DAUMOD - Urban Atmospheric Dispersion Model
σᵥ,σᵥ - Vertical and horizontal crosswind dispersion coefficients (standard deviation) respectively, m
z - Vertical distance from plume centre line, m
VOC - Volatile Organic Compounds
W - West
WNW - West of North West
WSW - West of South West
WHO - World Health Organization