DELIVERING EFFICIENT POWER WITH LOWER EMISSIONS TO INDIA

A GE POWERING EFFICIENCY SOLUTION

FUTURE OF ENERGY IN INDIA

It is estimated that **240M** people in India have no access to electricity

Power sector is expected to nearly **quadruple** in size by 2040

Commitment to slash emissions per GDP **by 33 to 35%** by 2030

COP21 Paris

ADVANCED STEAM PATH (ASP) SOLUTION AT UKAI 4, INDIA

Plant efficiency increased by **5.5%**

Reduction of **140,000** tons of coal used per year

Coal reduction will turn in expected **$7 million USD*** savings per year

Steam turbine heat rate improved by **~14.5%**

Up to **180,000 tons** of CO_2 reduction per year, the equivalent to over 162,000 Indian cars taken off the road

Up to 25 years unit life extension

GE'S HIGH PERFORMANCE APPROACH TO STEAM TURBINE UPGRADES

Proven technology with **1,300 ASPs** installed in past 30 years

MW Up to **10%** output increase

80+ Steam turbine OEM brands supported

POWERING EFFICIENCY CENTER OF EXCELLENCE

10% fuel savings potential per year

192,000+ tons of CO_2 potentially reduced per year

Equivalent of the amount absorbed by 162,356 square miles of forest per year**

* Conversion rate: $1 = INR 66/-

** Per EPA, 1.06 metric tons of CO_2 is absorbed annually by one acre of average U.S. forest