ASSIGNMENT1

EKA-SUPERCOMPUTER

EKA is now focused on developing and delivering high performance applications for global customers in various areas like weather modelling, aerospace and automotive engineering, drug design and nanotechnology.

SITE: COMPUTATIONAL RESEARCH LABBORATORIES, TATA sons.

Cores:	14384
Linpack Performance(Rmax):	132.8 TFlops/s
Theoritical Peak(Rpeak):	172.6 TFlops/s
power:	786.00 KW
Interconnect:	Infiband DDR
Operating System:	Linux

APPLICATION:

Aerodynamics (Aircraft design). Crash testing (Automobiledesign)

Environment – global climate, ground water

Applied physics – radiation transport, supernovae, simulate exploding galaxies.

Lasers and Energy – combustion, ICF

Neurobiology – simulating the brain.

RANK: 186 ACCORDING TO NOV/2012.

REFERRENCES:WIKIPEDIA:http://en.wikipedia.org/wiki/EKA_%28supercomputer%29

http://www.tata.com/media/reports/inside.aspx?artid=HU/cirzq3sk=