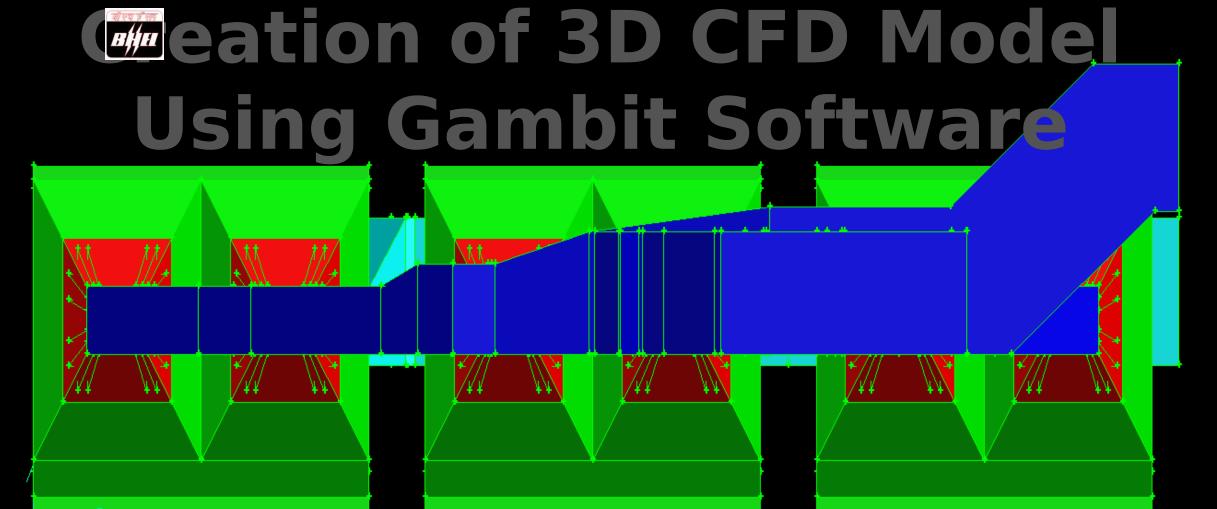
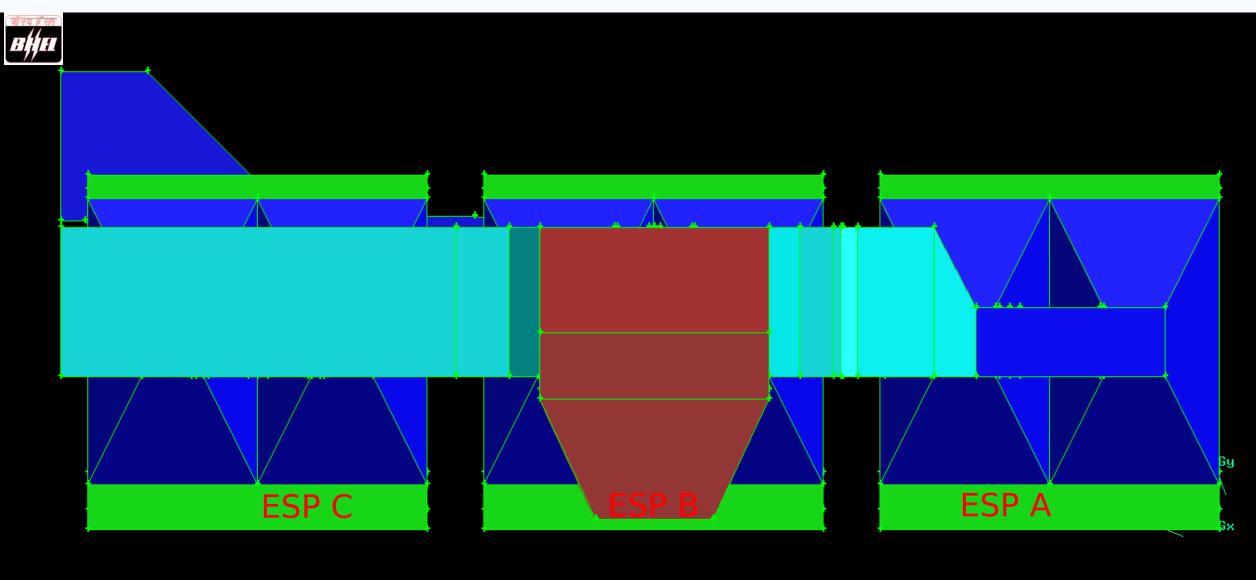


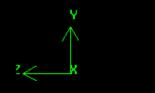
# distribution Among ESP with small duct Modification For (800 MW)



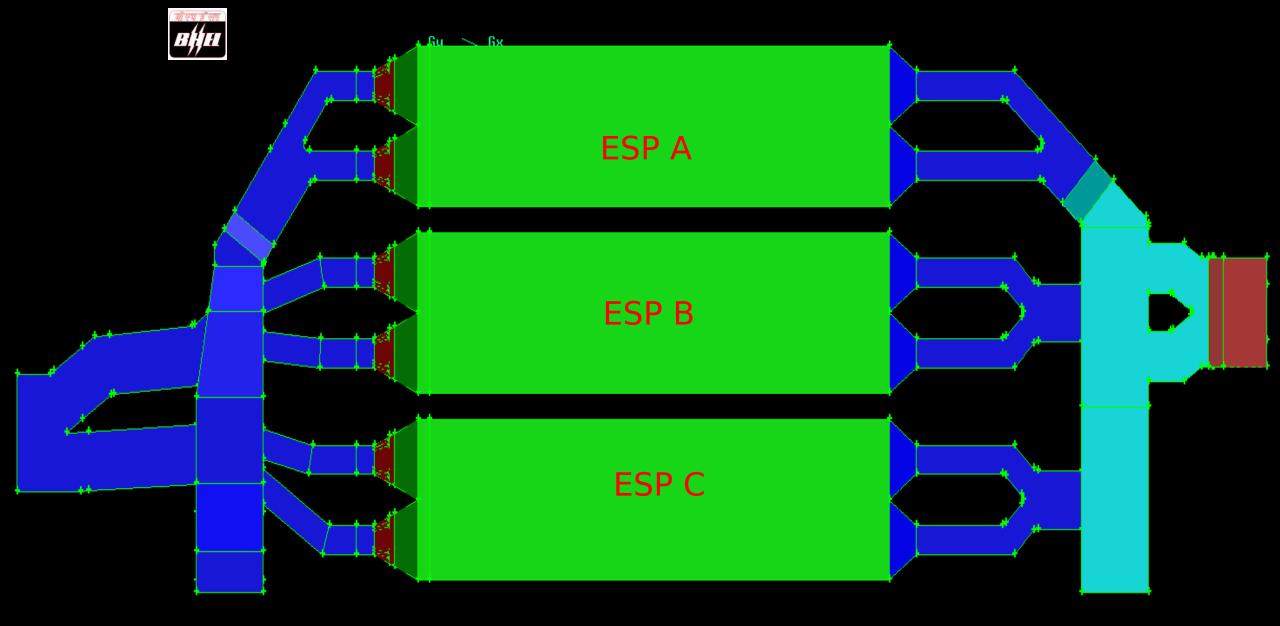
ESPA ESPB Front View







## **Back View**



Jop View



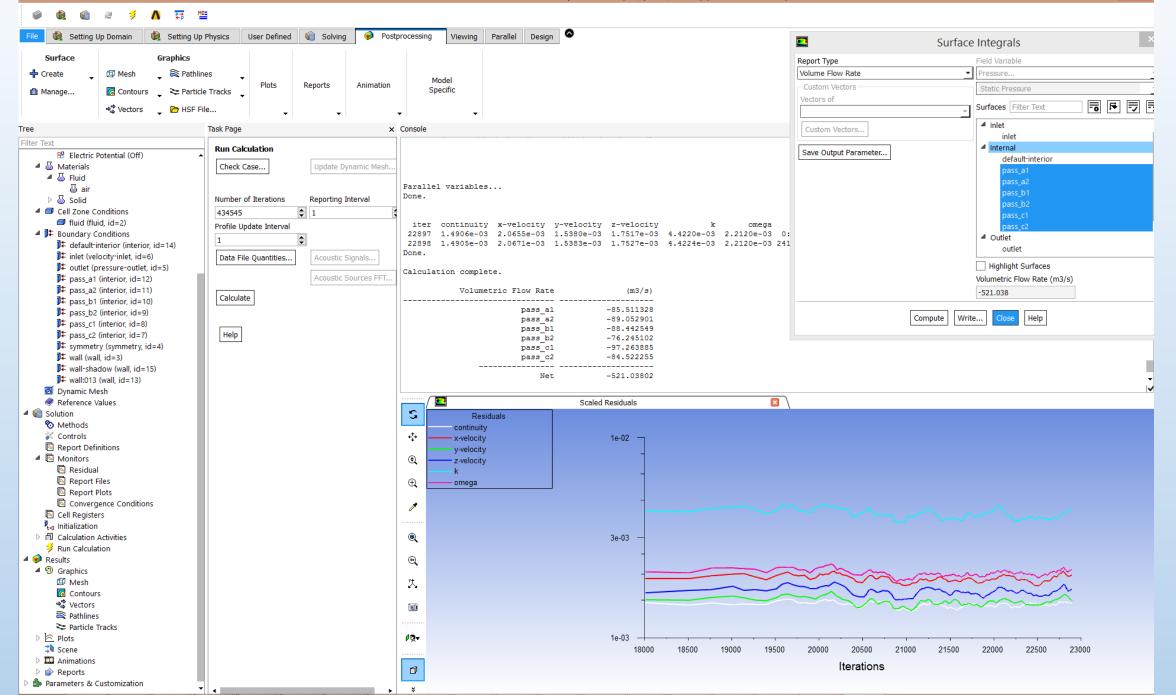
## **Boundary Conditions**

#### Pressure outlet at ID fan Inlet

Velocity Inlet at APH outlet

### Results of ESP

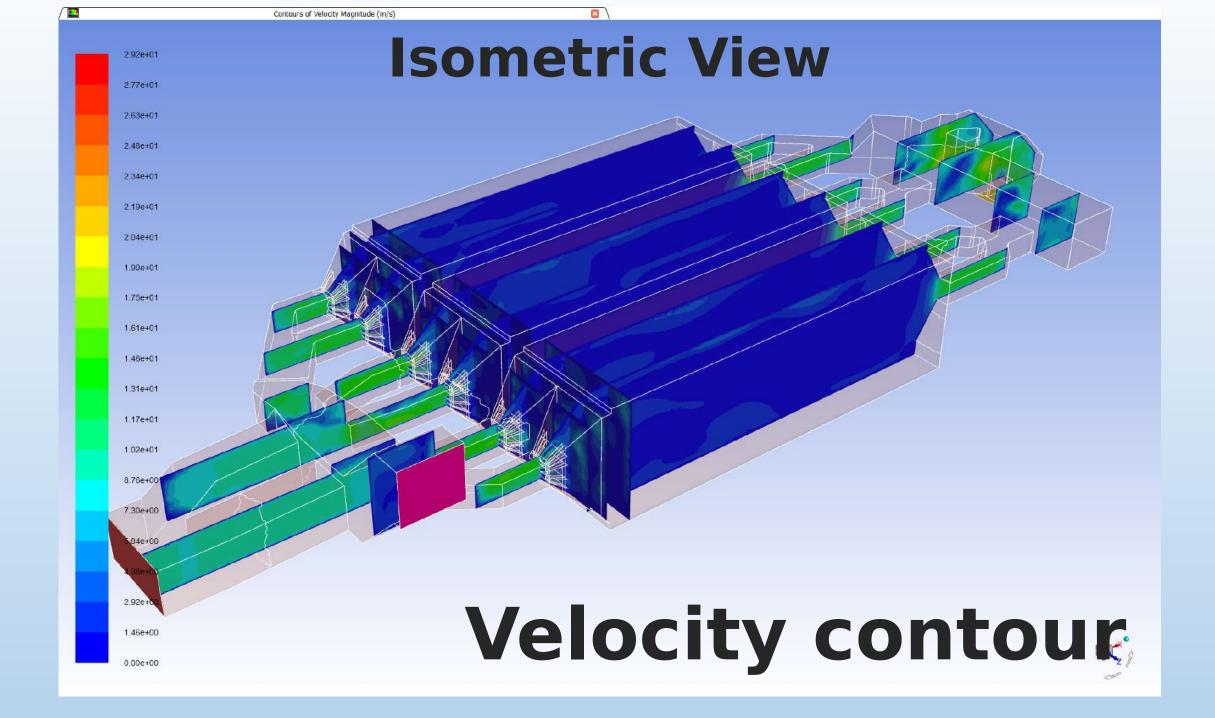
Flow Distribution Among ESP passes (with No guide plate)

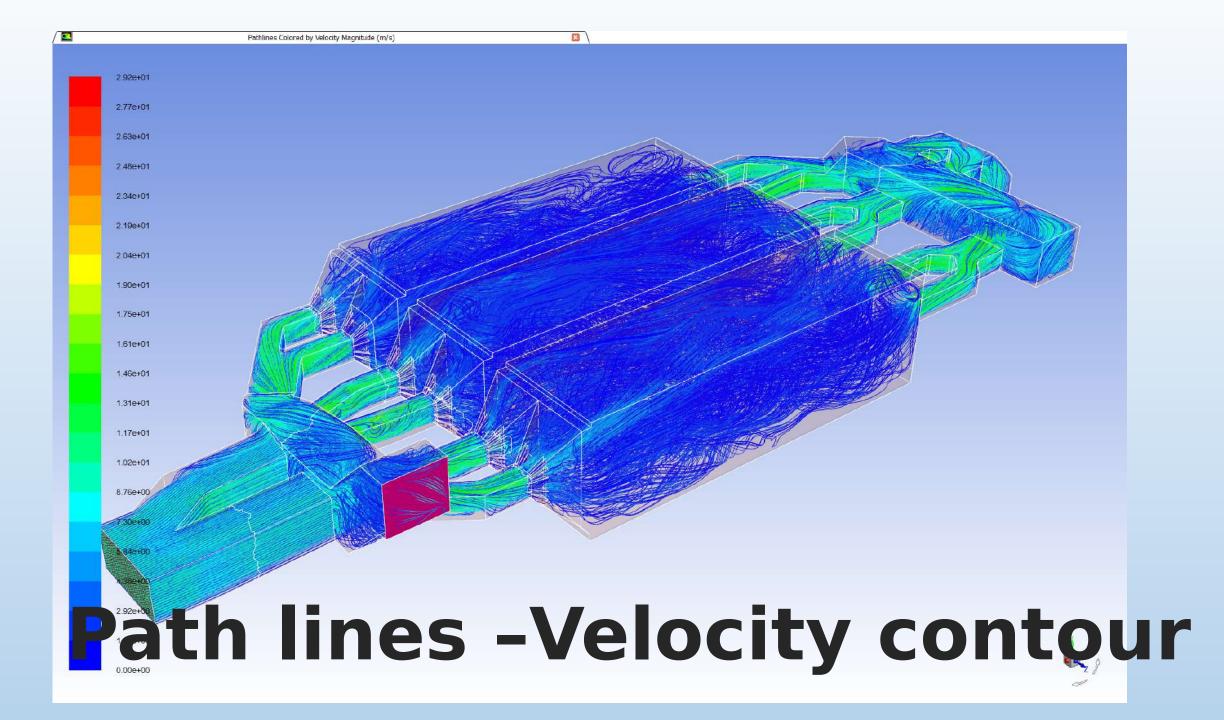




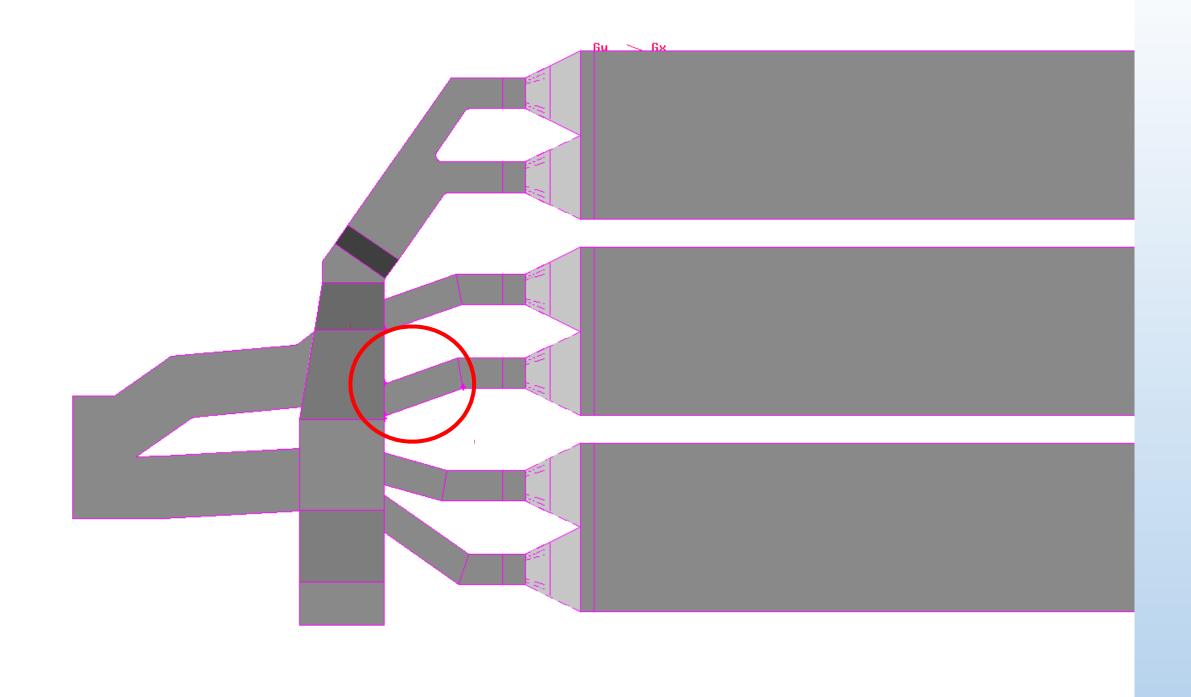
#### **Flow Distribution Pattern**

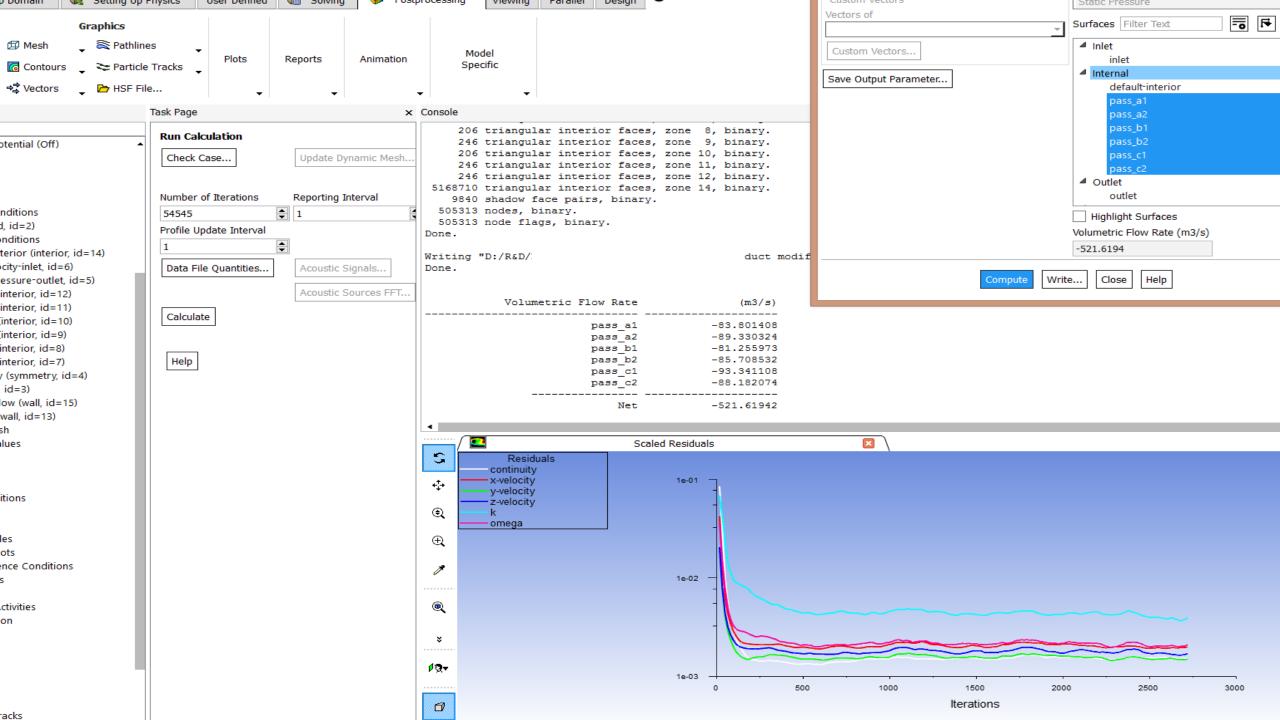
Location	Flow Required	Flow Achieved	% of Deviation
Inlet	86.91	85.51	-01.61
Inlet	86.91	89.05	+02.46
Inlet	86.91	88.44	+01.76
Inlet	86.91	76.25	-12.27
Inlet	86.91	97.26	(+11.91)
Inlet	86.91	84.52	-02.75





# all Duct modification is carried of changing the direction of the left secting B2 duct to the common of the secting B2 duct to the common of the section of





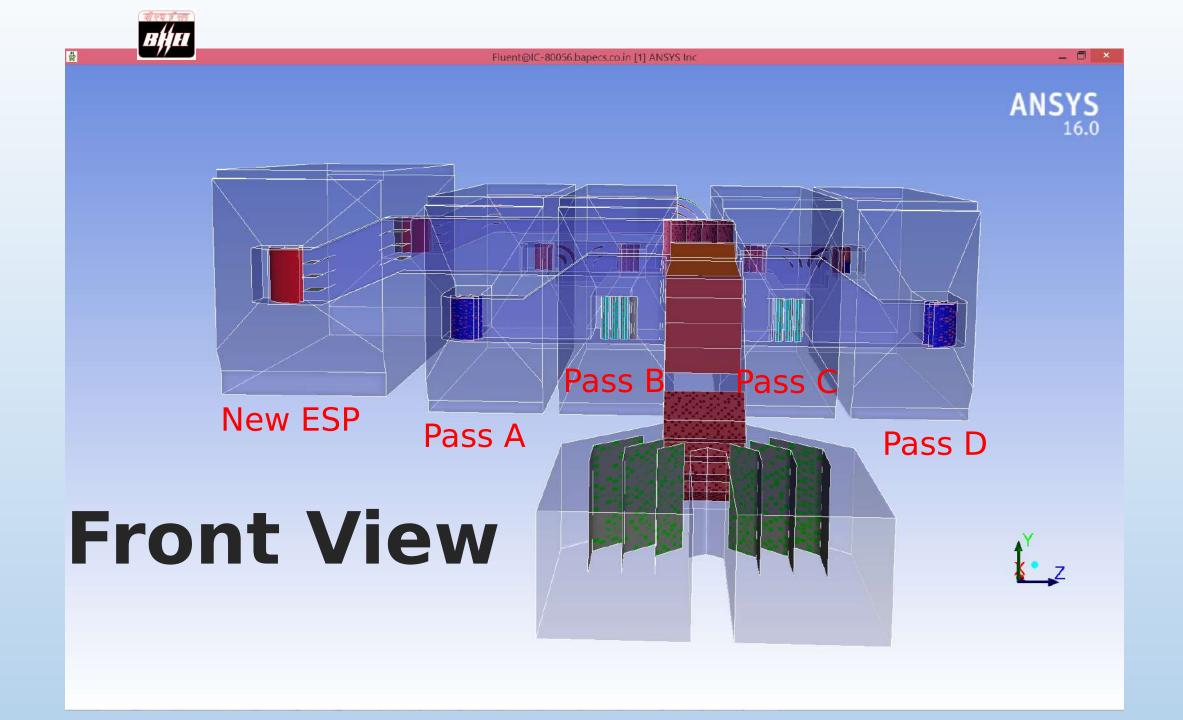


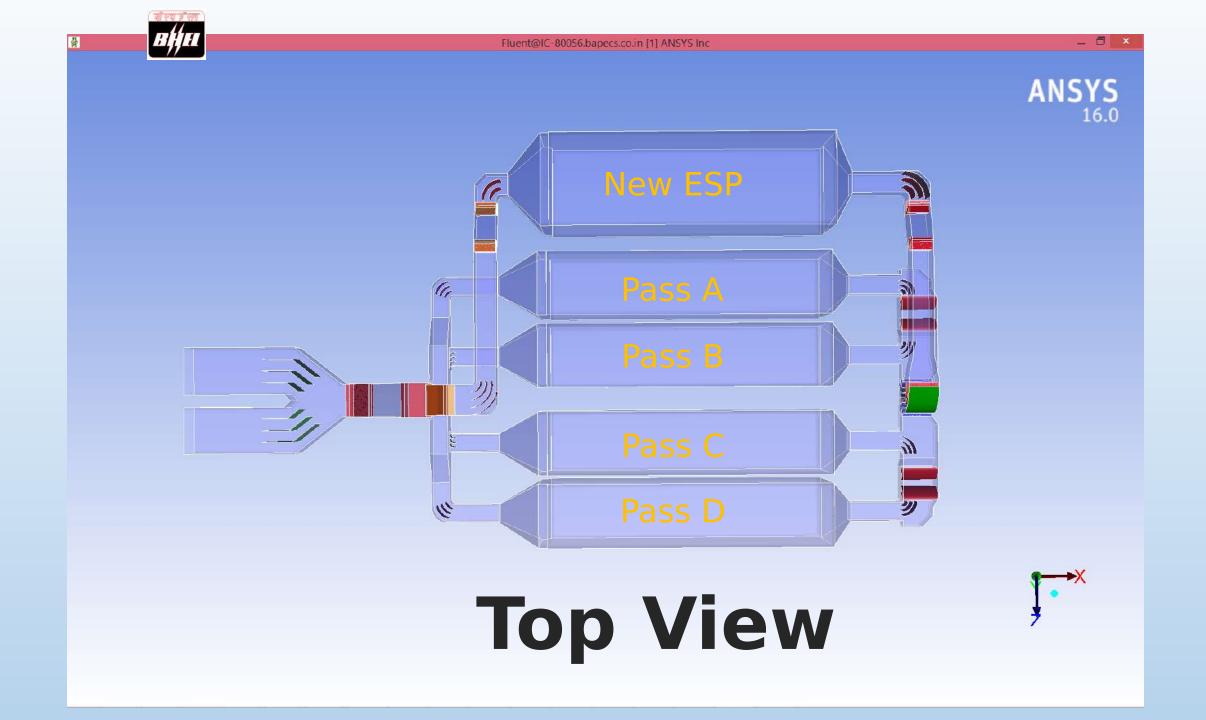
#### **Flow Distribution Pattern**

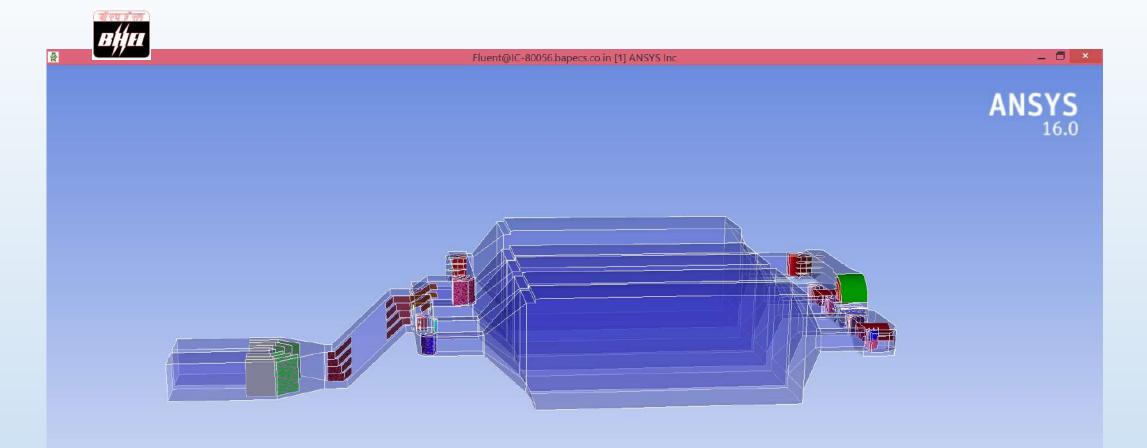
	Location	Flow Required	Flow Achieved	% of Deviation
Pass - A1	Inlet	86.91	83.8	-03.58
	Inlet	86.91	89.33	+02.78
	Inlet	86.91	81.26	-06.50
	Inlet	86.91	85.71	-01.38
	Inlet	86.91	93.34	+07.40
	Inlet	86.91	88.18	+01.46

# CFD for Pressure drop reduction

#### **R&M 210 MW**



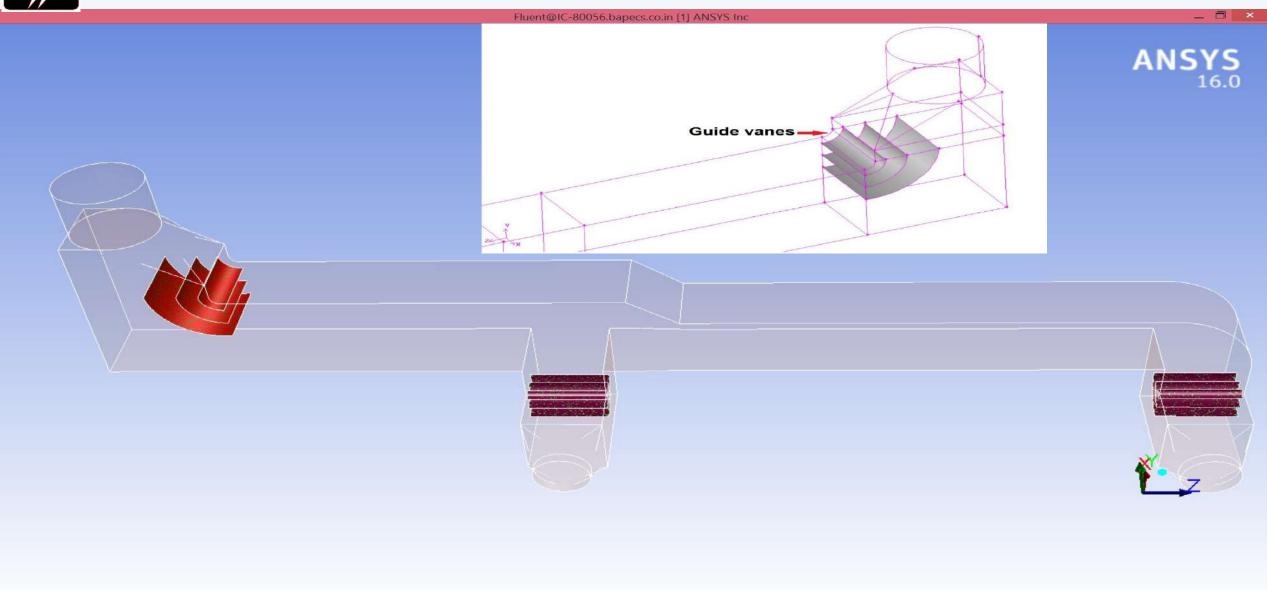




## **Side View**

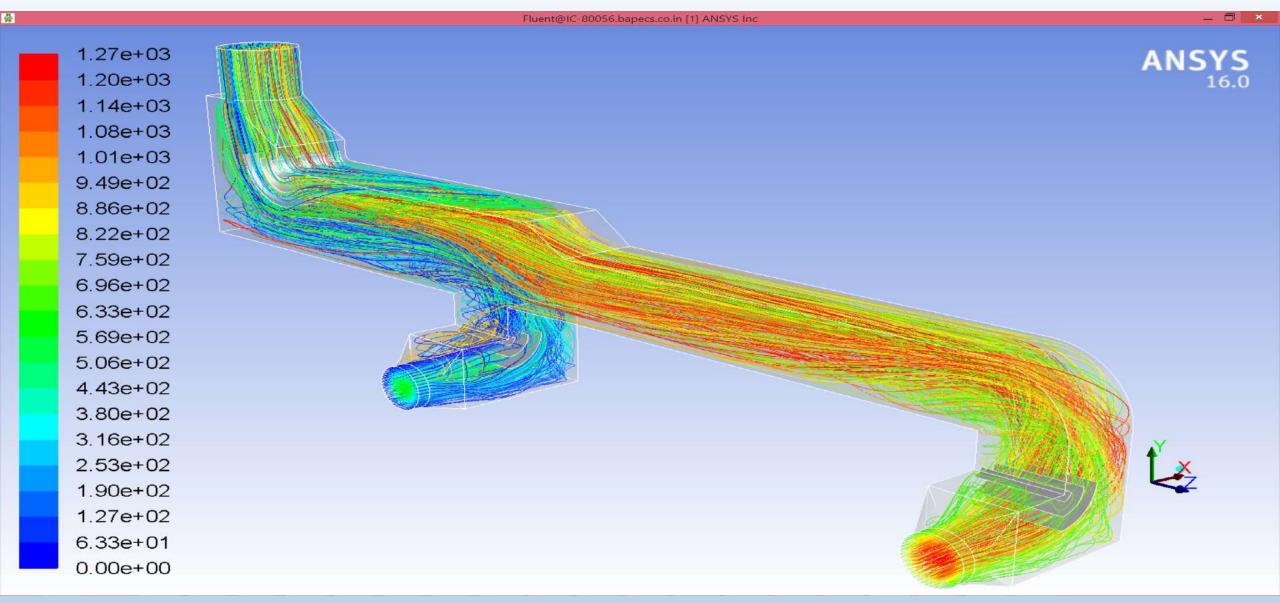








#### **PATHLINES (Particle ID)**



#### **Velocity Contours**

