

### Summary of operational proposals:

Due to the fine imposed on the excess water consumption of DM of the methanol unit, during the investigation carried out by Mr. Seyed Hossein Mousavi, head of the methanol production unit of

Fanavar Petrochemical Company, changes were made in the



distillation unit that caused the cut of extra LPS steam production vents in silencer by converting it to DM water.

Therefore, since February 2019, after applying this change, the water consumption of DM in methanol unit decreased by 30%. Also in March 2020, it was decided to apply new changes in the system, which could reduce DM water consumption from 9700 cubic meters to 1300 cubic meters per month which led to an 85% reduction in DM water consumption and a monthly savings of 1400 million Rials.

Also, due to the cessation of Razi carbon dioxide in June, summer 2020, according to the production conditions, the necessary measures were taken to control consumption optimally.

By applying changes to the synthesis compressor and following the daily monitoring of steam consumption, a reduction of turbine steam consumption about 200-150 tons per day was achieved in the first quarter of 2020 which led to savings of 4000 million Rials per month.

Mr Seyad Hossein Mousavi was honored by Engineer Mohammad Javad Badri, CEO of Fanavaran Petrochemical Company in response to his useful efforts in the field of energy, on 10/21/2020.