I believe I have gone extra mile for VVF in following functions:

Safety and Ergonomic improvements, Kaizen of a sort:

1. In old DM plant, after installation of Local controllers and annunciators, the previous PLC based control turned obsolete. However the hard wired installation and cabling, tray-work was still not cleared. I took initiative to clear out the unused cables, trays and Junction boxes, which were obstructing operator’s pathways of movement in the plant. We also managed to recover 6 nos of JBs and almost 500 mtrs of good condition cable. But most importantly what we managed to get was clean space and no junk wiring.
2. In CGS plant the operators had to move near the open conical tanks to look for the temperature of the fluid, which is a potential risk. We installed a RTD scanner near the operator seating area, so that operator was able to monitor temperature ergonomically.

Cost saving initiatives: Several initiatives that we took resulted in **annual cost saving of 11.5 Lacs**

1) Auto drain valves were Atlas copco make 5 nos. in old and new compressor. (approx 20k each). We replaced faulty ADV with Valtomation make Auto drain valves (approx 3k each.)== **saved 1 lac**.

2) Boiler SM50 faulty temperature indicator replaced with TP20 heater stack temp indicator, TP20 is not currently in operation. == **saved 15 thousand**.

3) PRVs of Tank farm 1,3 total 8 nos. and PRVs of Tankfarm 2,4,5,6 total 6 nos. ingenuously fabricated soft parts and torn body gasket, == saving the cost of spares **worth 60 thousand INR**.

4) For CPP at PHE , 2 nos. valve prepared ( made direct operation to reverse operation) ==**saved 2 lakh**

5) Jumbo indicator at WB-02 -rather than taking new jumbo indicator ,we managed to keep one indicator for both weigh bridge operation =**Saved 0.8 lakh**.

6) 6 nos of Samson valve positioner servicing done at work shop == **0.6 lakh saved**

7) DFA coal heater Tubing modification done inhouse, no externat contractor used==**Saved 25 thousand INR.**

8) Condensate recovery project Level switch provided total saving== **5 lacs INR annually.**

9) From old boiler/ DM plant we recovered old unused cables, Junction boxes, metal tubings etc **worth 20 thousand INR.**

10) For the replacement of old pH meter sensors of yokogawa, Purchased Potense control pH sensor (3nos) worth 15k each instead of costly Yokogawa make sensors each worth 40 thousand== **saving 70 thousand INR**.