

**PROTECTO ENGINEERING PRIVATE LIMITED**

**STAGES IN SERVICING OF PUMPSET.**

# STAGES

Dismantling of Pump set

Prepare Service report with detail photo & Analysis.

Scope of Work

Refurbished the parts.

Assembly.

Performance Testing report-No load & Load test.

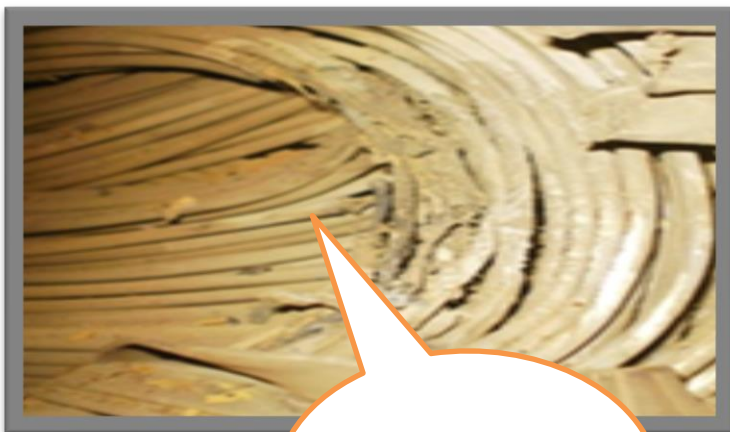
Painting ,packing & Dispatch.



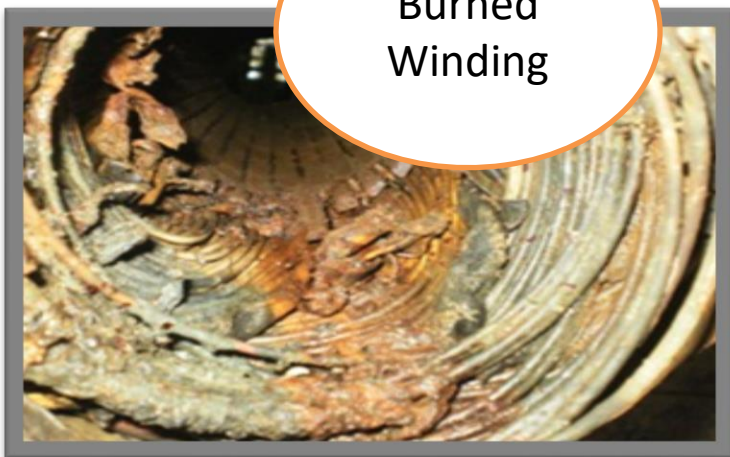
# MOTOR WINDING



## BEFORE



Burned  
Winding



## AFTER



New  
winding



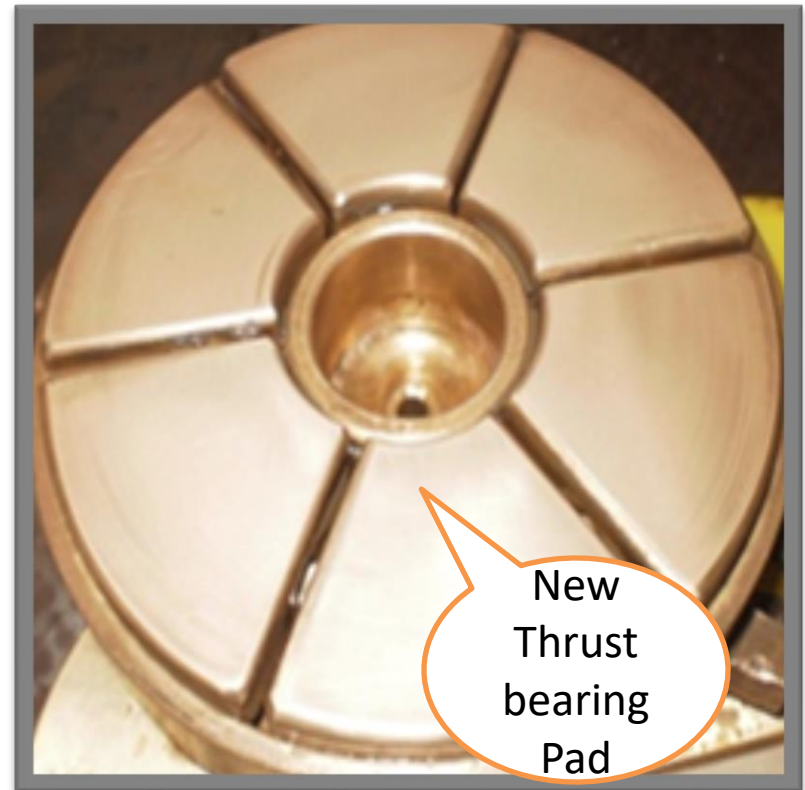
# THRUST BEARING HOUSING



**BEFORE**



**AFTER**





# THRUST BEARING BLOCK



**BEFORE**



**AFTER**







# MECHANICAL SEAL



## BEFORE



## AFTER





# PUMP SLEEVES



## BEFORE



Scaling &  
linemark on  
sleeve

## AFTER



Cleaning &  
Sleeve  
Grinding



# MOTOR ROTOR



## BEFORE



## AFTER







# MOTOR BEARING

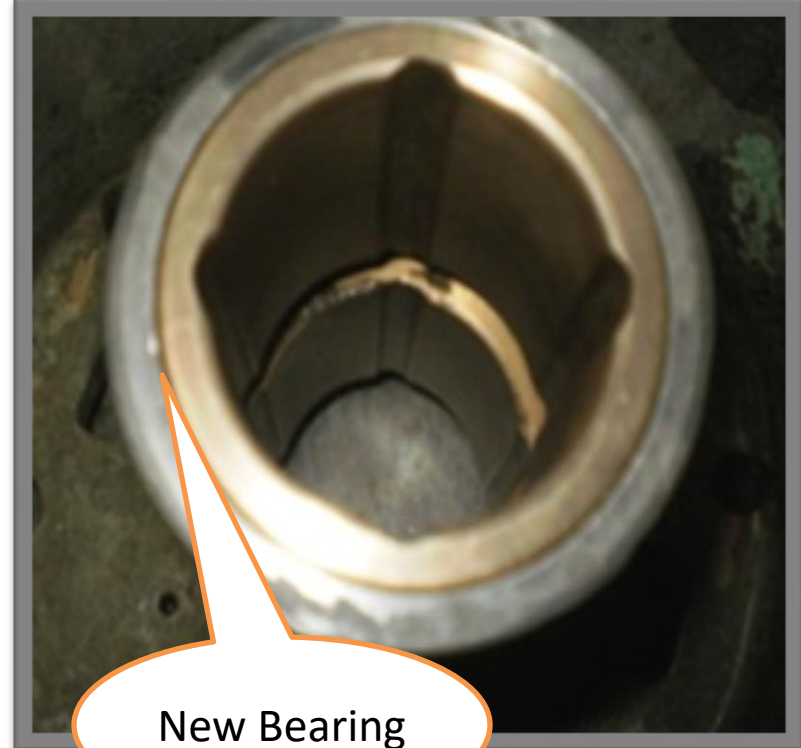


## BEFORE



Heavy line  
mark in  
bearing

## AFTER



New Bearing



# PUMP NECK RING

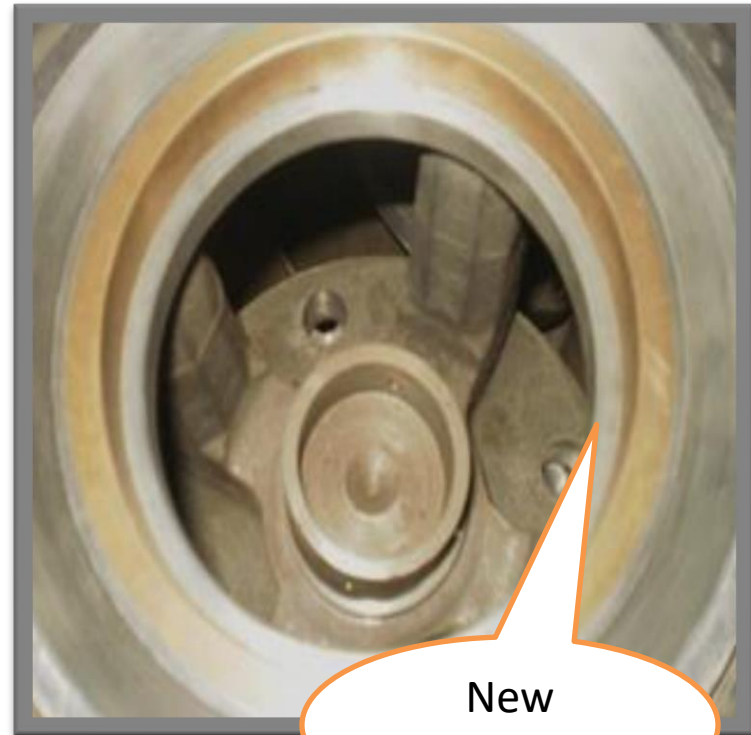


**BEFORE**



Worn  
Neck ring

**AFTER**



New  
Neckring



# PUMP SET



## RECEIVED STAGE



## DISPATCH STAGE





# PUMP BUSH

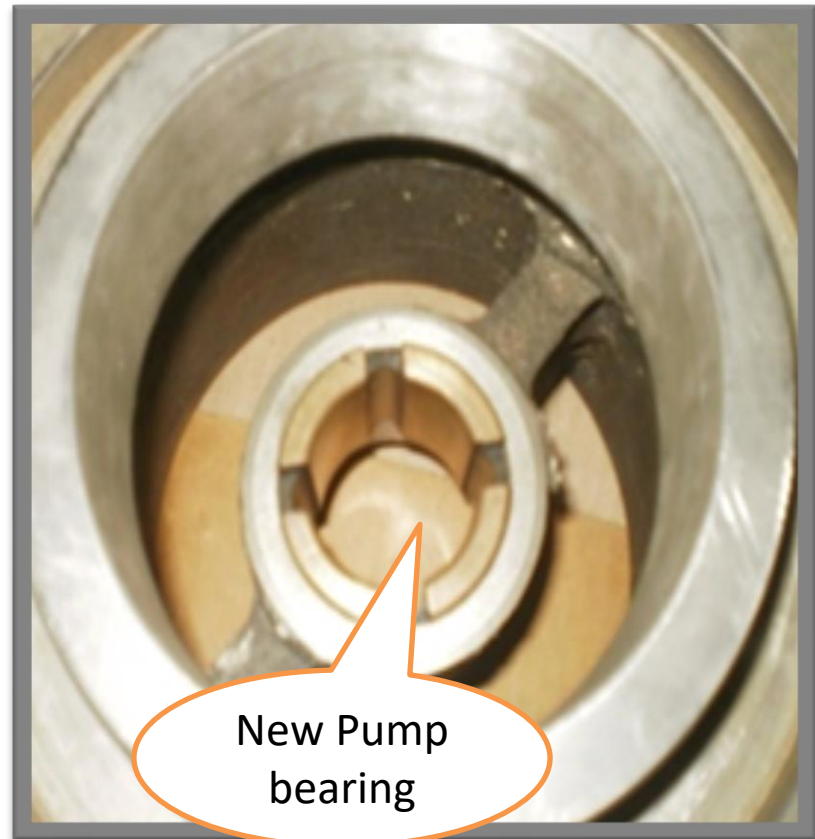


## BEFORE



Warned  
Bearing

## AFTER



New Pump  
bearing





# PUMP IMPELLER



Before



After







# WINDING WIRE





# HYDRO TESTING OF STAGE CASING



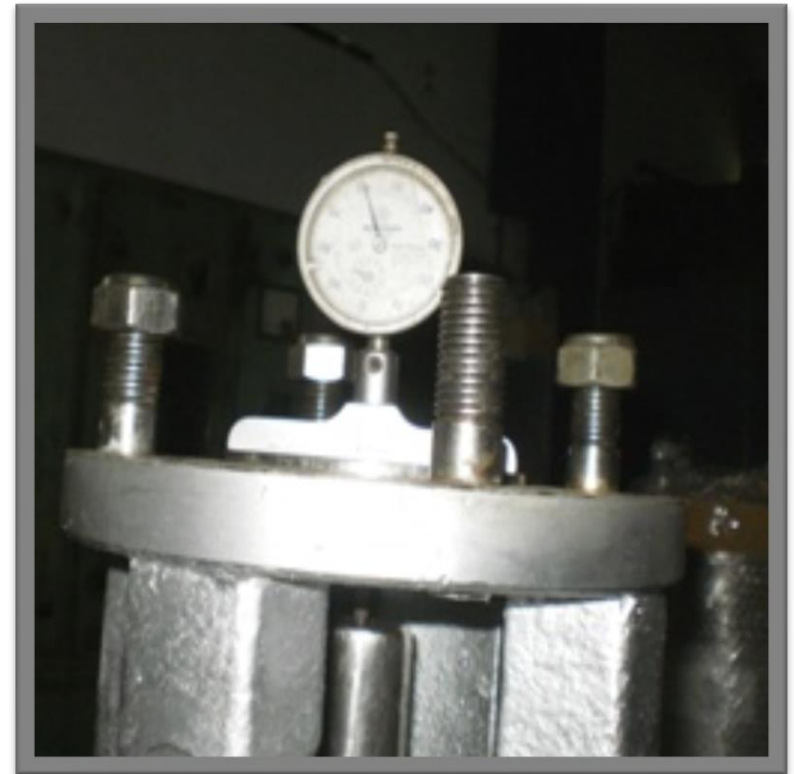
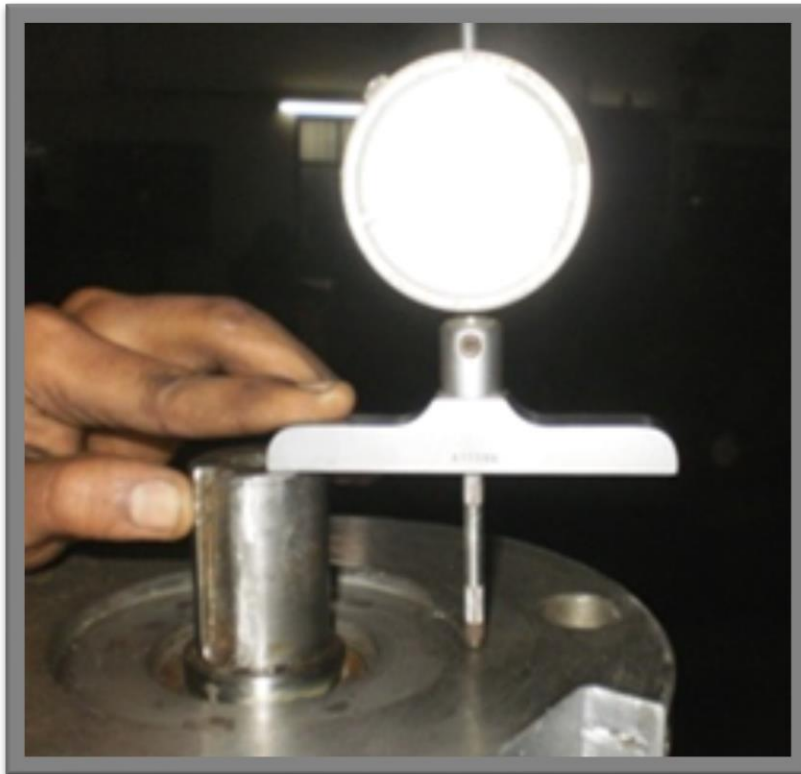


# QUALITY INSPECTION OF SHAFTS





# ROTOR & PUMP SHAFT HEIGHT INSPECTION





# ROTOR & PUMP SHAFT BALANCING







# IMPELLER BALANCING





# PERFORMANCE TESTING





# PERFORMANCE TESTING

