10000417 SACHIN LOHAR
Employee Name : SACHIN LOHARManager's Name : Prashant Pathak
Goalsheet Approval Date : 21-Apr-2017

KRA Category : Process
KRA Weightage : 20

Key Performance Indicator (KPI) description	Unit	KPI Weightage	Value	(1) Unsatisfactory Performance	(2) Needs Improvement	(3) Good Solid Performance	(4) Superior Performance	(5) Outstanding Performance	Actual achievement of year end	Appraisee comment on actual achievement
1.To plan & complete the servicing of below listed plant valve's for better operation & performance 1)Hydrogen caloric PSA valve. 2)H2 Linde PSA Valve, 3)Nitrogen Plant PSA valve 4)Natural Gas Skid 5)H2 Loop Reactor valve	Text			.	.	95% complete	.	100% complete	100% complete	100 % Completed as per schedule & clearence.As per Instrument shutdwn Job list clearenance maintenance job carried out & it's working satisfactory after maintenance.Also assurance given for the functioning of serviced instruments:1)Hydrogen caloric PSA valve:Hydrogen Caloric Plant PSA valve servicing carried out every 1.5 years for avoiding the downtime/failure.Last time servicing carried out in February'2016.2)H2 Linde PSA Valve:Hydrogen Linde Plant PSA valve servicing carried out every 1.5 years for avoiding the downtime/failure.Last time servicing carried out in May' 2016.3)Nitrogen Plant PSA valve :Nitrogen plant PSA valve servicing carried out every 1.0 years for avoiding the downtime/failure. Also al 9 no's Actuator servicing carried out.Last servicing done in November'2016.4)Natural Gas Skid:2 Bar & 4 Bar==Both Skid servicing & overhauling carried out in October'2016.5)H2 Loop Reactor valve:Control valve PCV-302A/PCV-701BV,XV-311,XV-306,XV-306B servicing & overhauling carried
2 .To ensure the Safety reliability in Plants by checking the thermowells of Fatty Acid Columns & Hyrdogen Reformer. (Qty: 90 no's)	Text			20 thermowell	25 thermowell	30 thermowell inspection.	35 thermowell	40 thermowell	60 no's Thermowell inspection done against target of 40 no's	Fatty Acid Plant distillation section 40 no's & Splitting section 12 no's thermowell inspection/checking carried out. Hydrogen caloric & H2 Linde Plant 8 no's thermowell inspection/checking carried out
3.Coal heater A& B—Bed temperature thermowell to be replaced with better MOC Thermowell for long life.((Qty: 8 no's)	Text			Feb_16	Mid Feb	By Dec'16 end	Mid Dec	Nov_16	4 no's Thermowell replaced with new better MOC thermowell in October'2016	All 8 no's thermowell inspection carried out & out of this 4 no's Thermowell replaced with new better MOC thermowell in October'2016.
4.H2 Caloric Natural gas line FT installation & commissioning activity.	Text			Jan_16	Mid Jan	Dec_16	Mid Dec	Nov_16	H2 Caloric Natural gas line FT installation & commissioning carried out in August'2016.	Natural gas line existing mass flow meter failed & this cost is approx. 12 lakh, so on same location multivariable type orifice flow transmitter

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										installed having costing is approx. 2.5 lakh. It's commissioning done & checked performance found working okay.
5. Redundant -Standby SCADA system machine ready for: 1.Hydrogen Linde plant. 2.CPP Plant	Text			Feb_16	Mid Feb	Jan_17	Mid Jan	Decemeber 16	Redundant SCADA machine made ready for H2 Linde & CPP Plant in September'2016.	Hydrogen Linde & CPP plant SCADA system running on without redundancy & in case of failure of this machine we don't have spares machine. So both system standby machine made ready & kept ready as a critical spares in case of emergency.
6.Completion of Statutory compliance(Weight & measure,ERTL etc)	Text			.	.	95% complete	.	100% complete	100% complete Before:Jun'16,Sept'16 ,Dec'16,March'17	As per Govt.rules & regulation are statutory document made ready before due date of every quarter also one year combine PO given for Govt.Re-stamping.
7. CAPEX for upgradation of DCS system's Operating system from absolute XP to latest available in market.	Text			.	.	Proposal by March '17	.	Proposal by Jan 17	Both Yokogawa & Invensys DCS system proposal prepared & PRF raised for the both DCS upgradation in January'2017.	Yokogawa & Invensys DCS system working on window XP & Microsoft obsolete the window XP. So proposal prepared & PRF raised in SAP system for the both DCS system upgradation to Window 7 from window XP in February'2017.

KRA Category : Business
KRA Weightage : 20

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1.Optimization of H2 Loop reactor Batch automation for increasse in batch/Production	Text			Mar_16	Mid March	Feb_17	Mid Feb	Jan_17	H2 Loop reactor high pressure catalyst system new on/off valve installation & commissioning carried out in october'2016	H2 Loop reactor high pressure catalyst system 8 no's new on/off valve installation carried out. Also it's DCS configuration, programming & loop checking done. After commissioning performance/operation checked found okay.Also we have carried out below PM/CM activity for optimization of H2 Loop Reactor.1)Our Experience of repetitive failure of these on-off Valve XV-305/XV-311/XV-306,so it's predictive maintenance carried out.2)Hydrogen line control valve PCV-302/PCV-302A/PCV-701BV servicing & maintenance carried out.3)V-700 vessel new DP type Level transmitter

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										provided for batch size monitoring purpose.
2.Boiler SM50 Feed water control loop auto operation through Level PID loop.	Text			Mar_16	Mid March	Feb_17	Mid Feb	Jan_17	Control valve made ready for this application & drawing mail to user Dept for installation in DEC'2016	In house control valve made ready for this application & it's passing/operation checked.Fabricatio n drawing mail to user Dept for installation.
3.H2 Linde Tail Gas line new control valve installation to avoid the unsafe opertaion of PRV.	Text			Mar_16	Mid March	Feb_17	Mid Feb	Mid Feb	Control valve blank datasheet mail to user Dept for filling the process parameter in November'2016.	Existing PRV venting during normal operation, so this PRV to be replaced with control valve, for selecting the control valve process parameter mail to user Dept.
4.To merge the coal Scada and CPP scada for viewing both plant in one monitor	Text			Mar_16	Mid March	Feb_17	Mid Feb	Jan_17	Coal & CPP Plant screen merge carried out in September'2016.	Coal & CPP Plant screen merge carried out, now it possible to view & monitor both plant from single monitor. Also this standby system available in case plant abnormality operation & failure of existing machine.
5.Support & logic implementation for the Improvement plans/projects:1)Fatty Acid Pre-heater thermowll & RTD sensor location to be relocated. 2)GDP Plant Thermic fluid line FT relocation.3)TT point added in supply/return line,4)CPP Vam Control valve installation.	Text			Feb_16	Mid Feb	Jan_17	Mid Jan	Dec_16	Support & logic implementation for the Improvement plants/projects in given time frame by December'2016 end.	1)Fatty Acid Pre-heater thermowell & RTD sensor location purpose new thermowell/RTD procurement done in Dec'2016 & waiting for shutdown opportunity.2)GDP Plant Thermic fluid line FT relocation drawing submitted to concern Dept.3)Fatty Acid C-303 column new RTD/thermowell installation purpose new thermowell/RTD procurement done in Dec'2016 & waiting for shutdown opportunity.4)CPP VAM control valve installation done & it's programming carried out in September'2016.
6.To optimize the cost of new procurement by utilizing the available instruments for the new modifications and maintenance.	Text			.	.	Saving of Rs.20 Lakh per annum	Rs.22Lakh per annum	Rs.24 Lakh per annum	Cost saving carried out approx 31 lakh.	Optimize the cost of new procurement by utilizing the available instruments at site & doing the maintenance,DCS programming etx.Attach is the annexure list.

KRA Category : Business
KRA Weightage : 40

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1. Adherance to PM/CM schedule to avoid the instrument failure	Text			<90% for all functions	90% for all functions	95% for all functions	97% for all functions	99% for all functions	1)100% completion of CM total: 932 nos. 2)100 % completion of PM against target of 96 % for Remaining Instruments:2944 nos.	1)100% completion of CM total: 932 nos. 2)100% completion of PM total: 2944,Instrument PM & CM done as per revised schedule & monitor the performance for avoidng the future failure/Breakdown.
2.Reduction in downtime due to instrument.	Text			Increase by 10%	No reduction	Reduction by 5%	Reduction by 10%	Reduction by 15%	Actual Downtime :23 hours against last time:69 hrs & target of 59 hours	Reduction in downtime by 67 % by closely monitoring the Instrument performance,data analysis,PM,CM.
3 To complete plant shutdown activities & Ensure the instrument performance after shutdown maintenance,	Text			.	.	100% complete within define timelimit	.	.	100% complete	100 % Completed as per schedule & clearence.As per Instrument shutdwn Job list clearenance maintenance job carried out & it's working satisfactory after maintenance.Also assurance given for the functioning of serviced instruments.
4. Instrument availability	Text			< 94% for all sections	< 96% for all sections	100% for all sections	.	.	Instrument availability 99 % achived against 96% per year	99 % Achieved,-Total downtime HRS==23,Total HRS=8760,Total plant UP =8737 HRS.Instrument maintenance done as per schedule & monitor the performance for avoidng the future f ailure/Breakdown. Continue update for Inventory & spares & follow up with vendor for material/service.
5. Monitoring of Repair & Maintenance expenses to keep it within budgeted limit	Text			15% exceeds over budget	10% exceeds over budget	within budget	10% less than budgeted	15% less than budgeted	Within Budget 1.30 Cr,Consumed budget-1.18 Cr	Consumed 1.18 cr.Saving of 10 %.By doing the cost saving project/MOC in house & utilizing internal available spares/instrument at site.
6.Failure Analysis reports.	Text			Pending for more than 12 days	Pending for more than 7 days	Not Pending for more than 5 days after failure occurance.	Not Pending for more than 4 days	Not Pending for more than 3 days	100% complete within 2 days of breakdown.	Failure analysis report prepared within 2 days after breakdown,also analysis done for avoiding the repeatative breakdown.

KRA Category : People
KRA Weightage : 20

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1. Techincal training to Technician/Executive/Engineer on DCS system.	Text			1 session per year	2 session per year	3 session per year	4 session per year	5 session per year	4 session per year	Practical Training(4 Session) given on DCS system to Instrument Dept team member & plant operator.(Basic Instrumentation,H2 Recovery Logic,H2 Loop logic & Sec-3 Ebara logic),
2. To meet IDP	Text			.	.	2. To meet IDP	.	.	a) TNI = 100% b)	a)TNI-100 % comp

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completion a) Training need identification b) Completion of training need.						completion a) Training need identification b) Completion of training need.			Training completion > 90%	leted.b)Strengths based team building training attened on 23rd November'2016 & same implemented in routine maintenance activity.
4. To cover all the people of Department for personal & plant safety training programme.	Text			.	.	100% complete	.	.	100% complete	100% people from the dept. cover as per schedule.
5.On the job training of new joiners.	Text			.	.	100% complete	.	.	100% complete	100% people from the dept. cover as per schedule.1)M/S Samson Control valve Training at Ranjangaon,Pune on 10th January'2017 ---For 10 no's instrument dept team member.2)Provided awareness about safety (20 no's person) to new joined Apprentice & contractor working within dept during shutdown activity.