

# उत्तर प्रदेश राज्य चीनी निगम लिमिटेड

(उ.प्र.सरकार का एक उपक्रम)



पंजीकृत कार्यालय

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प्रधान प्रबन्धक,

इकाई-मोहिउद्दीनपुर/मुण्डेरवा/पिपराईच।

**विषय- बन्दी सत्र में प्लांट व मशीनरी के रखरखाव कार्य के सम्बन्ध में।**

आप सभी अवगत है, कि आपकी इकाई के प्लांट एवं मशीनरी के रखरखाव का कार्य प्रगति पर है। इसे समय से पूर्ण किया जाना अति आवश्यक है। ताकि पेराई का कार्य आस-पास के प्लांटों के अनुरूप शुरू किया जा सके और आपके आवंटित गन्ना क्षेत्र से गन्ना का विचलन कम हो सके। आपकी सुविधा और सहायता के लिये प्लांट और मशीनरी के रखरखाव कार्यों की एक जॉच सूची तैयार कर संलग्न आपको प्रेषित की गयी है। आप इस जॉच सूची का उपयोग निम्नलिखित के लिये कर सकते हैं:-

1. प्रति सप्ताह प्रगति का सत्यापन करना।
2. जहाँ भी आवश्यक हो हाइड्रोलिक परीक्षण सुनिश्चित करना।
3. कनवेयिंग कैरियर, बेल्ट, एलीवेटर इत्यादि का परीक्षण सुनिश्चित करना।
4. आर.वी.एफ., रोटरी स्क्रीन, सेन्टीपयूगल मशीनों और रोटेटिंग मशीनों का परीक्षण सुनिश्चित करना।
5. इवापोरेटर/पैन बाडीज, वेपर लाईन्स और अन्य उपकरणों का जल परीक्षण।
6. परिचालन शुरू होने से पहले पम्पो और पाइप लाईनों का वॉटर ट्रायल।
7. स्टीम ट्रायल।
8. वैक्यूम में चलने वाले सभी उपकरणों का वैक्यूम ट्रायल।
9. रखरखाव कार्य में किसी प्रकार की देरी होने पर बन्दी सत्र के दौरान उचित कार्यवाही करना।

इस संबंध में आपको निर्देशित किया जाता है, कि जॉच सूची का कड़ाई एवं प्रभावी ढंग से अनुपालन सुनिश्चित करें तथा आवश्यकतानुसार तत्काल कदम उठाये। अनुक्षण कार्य की प्रगति से अधोहस्ताक्षरी को प्रति सप्ताह अवगत कराये। यदि किसी भी कारण से अनुक्षण में विलम्ब हो रहा हो, तो इसकी सूचना अधोहस्ताक्षरी को तत्काल उपलब्ध कराये, ताकि विलम्ब को दूर करने के लिये समुचित उपाय सुझावित किये जा सकें।

(मिनिस्ती एस.)

प्रबन्ध निदेशक

प्रतिलिपि:-निम्नलिखित को सूचनार्थ।

1. गन्ना आयुक्त महोदया।
2. प्रबन्ध निदेशक, उ.प्र.सहकारी चीनी मिल संघ लि।

(डॉ स्वेन)

निदेशक तकनीकी

# U.P. STATE SUGAR CORPORATION LIMITED

## Equipment-wise maintenance Check list

As on 31st August 2025

EQUIPMENTS	DEPARTMENTS	SR. NO.	DETAILS OF WORK	STATUS (%)	Remarks
<b>Mill House</b>					
<b>Cane Carrier</b>	<b>Mechanical</b>	1	All Chains dismantling, cleaning, repairing, greasing, checking and assembly		
		2	Runner Flat and side plate checking and replacement work		
		3	Cane carrier head and tail shaft both side bearing checking and greasing		
		4	Cane carrier slats cleaning, straightening, repairing and painting		
		5	Head and tail shaft sprockets checking, welding if any and then assembly		
			Complete assembly		
	<b>Electrical</b>	1	Motor maintenance.		
		2	VFD Panel maintenance.		Test Run date:
<b>Chopper</b>	<b>Mechanical</b>	1	Knives dismantling, hard facing		
		2	Both side bearing checking, cleaning and greasing		
		3	Hub hard facing if required		
	<b>Electrical</b>	1	Motor maintenance		
		2	Starter Panel maintenance		
		3	Complete assembly		Test Run date:
<b>Leveler</b>	<b>Mechanical</b>	1	Knives dismantling, repairing and hard facing		
		2	Both side bearing checking, cleaning and greasing		
		3	Hub hard facing		
	<b>Electrical</b>	1	Motor maintenance		
		2	Starter Panel maintenance		Test Run date:
	<b>Mechanical</b>	1	Both side bearing and plumber block checking, greasing and fitting back		
		2	All hammers and it's pins dismantle and checking		
		3	All domite tips dismantling		



Fibrizor	Electrical	4	Anvil Plate and Side Plate repairing and hardfacing		
		5	Assembly		
		1	Motor maintenance		
		2	Starter Panel maintenance work completed.		
		1	DE and NDE side temperature element cleaning and checking		
			Final assembly		Test Run date:
Rack Elevator	Mechanical	1	All chain and racks dismantling and repairing		
		2	All racks painting		
			Assembly of chain and rake		
		3	Head and Tail shaft sprocket teeth repairing and welding		
		4	Head and Tail shaft both side bearing checking and greasing		
	Electrical	1	Motor maintenance work completed.		
		2	VFD Panel maintenance work completed.		
		3	Final assembly and belt alignment		Test Run date:
Prepared Cane Belt	Mechanical	1	All Rollers oiling, greasing and checking.		
		2	Both side bearing and it's plumber block checking and greasing		
	Electrical	1	Motor maintenance		
		2	VFD Panel maintenance		Test Run date:
Unloader	Mechanical	1	All hosting gearbox overhauling		
		2	CT Gearbox overhauling		
		3	LT Gearbox overhauling		
		4	All oil tank cleaning and hydraulic component overhauling		
		5	All LT & CT wheel bearing checking and greasing		
		6	All grab oil tank cleaning		
	Electrical	1	All LT & Grab hydraulic motor maintenance.		
		2	Hoist Hydraulic motor maintenance		
			Cable & panel dressing		
		3	Final Assembly		Test Run date:

GRPF	Mechanical	1	Preparation of the rollers		
		2	Head stock cleaning and painting		
		3	Top and Bottom bearing placed on position.		
		4	Top and Bottom rollers placement and setting		
		5	Juice tray placement		
		6	Pressure Chute overhauling and ground floor assembling		
	Electrical	1	Motor maintenance		
		2	VFD Panel maintenance		
		3	Mill Motor cooling fan motor maintenance		
		4	Complete Assembly		Test Rotation date:
Mill No. # 01	Mechanical	1	Dismantling of mill, Head stock cleaning and painting		
		2	Reshelling and regrooving of the rollers		
		3	Buitup of the rollers and static collars		
		4	Feed and discharge rollers placement		
		5	Meschart knives and it's shaft placemen		
		6	Static Collar feed and discharge setting		
		7	Feed and discharge rollers trash plate setting		
		8	Under feed roller bearing dismantle and overhauling		
	Electrical	1	Motor maintenance		
		2	VFD Panel maintenance		
	Instrument	1	Donnelly Chute Level sensor mounting and calibration		
		2	Lift indication sensor and it's indicator mounting and calibration		
			Final Assembly		Test rotation date:
Mill No. # 02	Mechanical	1	Dismantling of mill, Head stock cleaning and painting		
		2	Reshelling and regrooving of the rollers		
		3	Buitup of the rollers and static collars		
		4	Feed and discharge rollers placement		
		5	Meschart knives and it's shaft placemen		
		6	Static Collar feed and discharge setting		
		7	Feed and discharge rollers trash plate setting		
		8	Under feed roller bearing dismantle and overhauling		
	Electrical	1	Motor maintenance		



	Electrical	2	VFD Panel maintenance		
	Instrument	1	Donnelly Chute Level sensor mounting and calibration		
		2	Lift indication sensor and it's indicator mounting and calibration		
		Final Assembly			Test rotation date:
Mill No. # 03	Mechanical	1	Dismantling of mill, Head stock cleaning and painting		
		2	Reshelling and regrooving of the rollers		
		3	Buitup of the rollers and static collars		
		4	Feed and discharge rollers placement		
		5	Meschart knives and it's shaft placemen		
		6	Static Collar feed and discharge setting		
		7	Feed and discharge rollers trash plate setting		
		8	Under feed roller bearing dismantle and overhauling		
	Electrical	1	Motor maintenance		
		2	VFD Panel maintenance		
	Instrument	1	Donnelly Chute Level sensor mounting and calibration		
		2	Lift indication sensor and it's indicator mounting and calibration		
	Final Assembly				Test rotation date:
Mill No. # 04	Mechanical	1	Dismantling of mill, Head stock cleaning and painting		
		2	Reshelling and regrooving of the rollers		
		3	Buitup of the rollers and static collars		
		4	Feed and discharge rollers placement		
		5	Meschart knives and it's shaft placemen		
		6	Static Collar feed and discharge setting		
		7	Feed and discharge rollers trash plate setting		
		8	Under feed roller bearing dismantle and overhauling		
	Electrical	1	Motor maintenance		
		2	VFD Panel maintenance		
	Instrument	1	Donnelly Chute Level sensor mounting and calibration		
		2	Lift indication sensor and it's indicator mounting and calibration		
	Final Assembly				Test rotation date:

Hydraulic System	Mechanical	1	Filling of accumulators		
		2	Testing of Lines		
		3	Filling with Hydraulic oil		
	Electrical	1	Hydraulic Motor overhauling		
	Instrument	1	Washing pneumatic On/Off valve cleaning and maintenance		Test run date:
Rotery Screen	Mechanical	1	Screen cleaning and repairing, Guide wheel checking and overhauling		
		2	Gear teeth and chain checking and overhauling work completed.		
		3	Rotary screen part replacement if any		
	Electrical	1	Motor overhauling		
	Instrument	1	Washing pneumatic On/Off valve cleaning and maintenance		Test rotation date:
Juice and water Pumps	Mechanical	1	All juice pumps overhauling		
		2	All water pumps overhauling		
		3	All pipe line checking		
	Electrical	1	Motor maintenance		
		2	Panel maintenance		
		3	LPBS maintenance		
	Instrument	1	Mass Flow meter cleaning and checking and calibration		
		2	Temperature and level control valves cleaning and maintenance		Water run test
Bagasse Conveyor Belt	Mechanical	1	Both side shaft checking		
		2	Both side bearing greasing		
		3	Gear Box overhauling		
		4	All Rollers oiling, greasing and checking		
		5	Belt alignment		
	Electrical	1	Motor maintenance		
		2	Starter Panel maintenance		Test run date;
DCS Control Panel	Instrument	1	All Panel cleaning and terminal tightening		



# BOILING HOUSE

Juice heaters	Mechanical	1	Double beat valves dismantling, cleaning & repairing.		
		2	Steam /Vapour valves rubber seat checking, repairing		
		3	Hydraulic testing of eah calandria and valves at 5 kg/cm2		
		4	Box-up and water trial		
		5	Steam trail and vacuum trail after assembly of juice heater and its related valves.		
	Instrument	1	Temperature Transmitters & it's Element cleaning, termination tightness and checking		
Milk Of Lime	Mechanical	1	MOL tanks manholes and strainers opened, cleaning work		
		2	Lime Elevator drive to be checked and repaired.		
		3	Lime Elevator belt to be Checked & replaced.		
		4	Lime Slacker drive to be checked, repaired & fitted.		
		5	MOL pumps repairing work is going on.		
		6	Lime Clarifier screen & drive to be checked, repaired & fitted.		
		7	Vibro screen to be dismantled, cleaned, repaired and fitted.		
		8	MOL tank drive overhauling work to be done.		
		9	Lime Grit conveyor top cover opened, cleaning work is going on.		
		10	Lime Grit conveyor drive to be repaired & fitted		
		11	All Valves dismantling, cleaning, repairing & fitting work to be done.		
		12	Box-up and Trial to be done.		
	Electrical	1	All Motor maintenance work		
		2	Panel maintenance work		
		3	All motor trial		
	Instrument	1	Flow Control Valve, Flow Transmitter cleaning and maintenance		
		1	All Compartments sluice valves(34 nos) repairing and refitting		

	Instrument	3	All Pressure, Temperature (with element) and Level Transmitter cleaning, termination tightness and checking work		
		4	All Pressure, Temperature and compound gauge cleaning and calibration work		
		5	All Signal JBs and PDB cleaning and terminal tightening work		
Juice Deficator/ Sulphitor	Mechanical	1	Juice Sulphitor/ deficator drive arrangement checking and repairing		
		2	Manholes and grit catcher covers opening, cleaning & Box up		
		3	Sulphited /Deficated juice pump no.1 overhauling work		
		4	All valves to be dismantled, cleaned , repaired & fitted.		
		5	Pumps no load trial to be done.		
		6	Box-up and water testing		
	Electrical	1	All motors maintenance work		
		2	All motor trial		
		3	VFD & MCC pane maintenance work		
	Instrument	1	All Control Valve cleaning and maintenance work		
		2	All Temperature Transmitters cleaning and checking work		
		3	All Level Switches Cleaning and checking work		
Sulphur Station		1	Dismantling of complete burner		
		2	Clesning of furnace, cooler and scrubber cleaning of lines		
		3	Refractory work		
		4	Replacement / repair of worn out pipe lines		
		5	Hydraulic testing of melter coils, delivery lines , coolers down pipe		
		6	Repairing of valves		



		7	Assembling of furnace, cooler and scrubber		
		8	Repairing of air blower		
		9	Air trial		
		10	Dismantling of pump, motor, manhole & pipe line		
		11	Internal cleaning / Painting / oil coating		
		12	Repairing of valves		
		13	Repairing of pumps		
		14	Replacement of worn out pipe lines		
		15	Water trial		
		16	Maintenance work of electrical panels		
		17	Overhauling of compressors		
		18	Maintenance of motors		
Syp Sulphitor		1	Dismantling of pump, motor, manhole & pipe line		
		2	Internal cleaning / Painting / oil coating		
		3	Repairing of valves		
		4	Repairing of pumps		
		5	Replacement of worn out pipe lines		
		6	Water trial		
RVF	Mechanical	1	Bagasse cillo Blower & Valves to be dismantled, cleaned, repaired & fitted.		
		2	Vacuum pumps (03nos) maintenance work to be done.		
		3	Vacuum regulating valve of heavy, light to be set right.		
		4	Both RVF tunion plates to be dismantled, checked , repaired & fitted.		
		5	Condenser water inlet pump's to be repaired.		
		6	SS screen of drum to be checked & changed.		
		7	Agitator drive maintenance work		
		8	Mud pumps overhauling work		

		9	Cake wash pumps to be dismantled & repaired.		
		10	Drum drive lubrication system to be made leak proof.		
		11	Filtrate juice pumps overhauling work		
		12	Mud Mixer no.1 drive maintenance work		
		13	Vacuum trial of both RVF		
		1	VFD and Starter panel maintenance work		
Cigar & Condensate pumps	Electrical	2	Motor maintenance work		
		3	Motor trial to be done.		
	Mechanical	1	Cigar Manhole opened to be cleaned & refitted.		
		2	Pan condensate pumps dismantled, cleaned , repaired & to be refitted.		
		3	SHWW Pumps dismantled, cleaned , repaired & refitted.		
		4	Exhaust condensate pumps dismantled, cleaned , repaired.		
		5	All pumps suction & delivery Line valve to be dismantle, checked, repaired & refitted.		
		6	Both PHE of SHWW valve leaked to be attended.		
		7	VLJH condensate pumps to be repaired.		
		8	Ex. condensate circulation PHE valve leaked to be attended. PHE plate cleaning work		
	Electrical	1	Motors maintenance work		
		2	VFD and MCC panel maintenance work		
		3	Motor trial work		
	Instrument	1	All Temperature Control Valve cleaning and maintenance work		
		2	All Positioner of Temperature Control Valve ( Total 03 Nos.) cleaning and maintenance		
		3	All Signal JB's cleaning and terminal tightness work		
		4	All Pressure and Temperature ( with element) cleaning, termination tightness and checking work		
		1	All molasses supply tanks washing and cleaning work done.		



Molasses Supply Tanks	Mechanical	2	Wash out valve to be dismantle, cleaning & repairing work .		
		3	Molasses headers tank to pan feed header to be cleaned.		
		4	Water testing to be done.		
		5	All sight glass to be opened , cleaned & refitted.		
	Electrical	1	All motors maintenance work		
		2	MCC Panel maintenance work		
		3	Motors trail		
Batch & Continuous PAN	Mechanical	1	All pans tube cleaning completed.		
		2	All Pans hydraulic testing at 5 kg/cm2		
		3	All continuous pan hydraulic testing at 5 kg/cm2		
		4	Inside cleaning		
		5	All molasses feed valves and water inlet valves repairing work		
		6	Cut-over and discharge valve to be checked, repaired and trial to be done		
		7	All pan mechanical circulator to be checked & repaired.		
		8	Box-up and Vacuum trial to be done.		
		9	Steam trail and vacuum trail to be done.		
	Electrical	1	Mechanical circulator motor maintenance work to be done.		
		2	VFD Panel maintenance work is going on.		
	Instrument	1	All Pressure, Temperature and Vacuum gauge cleaning and calibration work in going on.		
		2	All PAN Level Transmitter cleaning and checking work to be done.		
		3	All Pressure, Temperature and Vacuum Transmitters cleaning and checking work in going on.		
		4	All Brix sensors & transmitters cleaning and checking work to be done.		
		5	All Flow Transmitters cleaning and checking work is going on.		

		6	All Disk rotary valves and it's AFRs cleaning and maintenance work to be done.		
		7	All Feed Control Valve cleaning and maintenance work to be done.		
● Molasses Conditioner	Mechanical	1	Drive arrangement dismantle, cleaning, repairing & fitting		
		2	All sight glass dismantle, cleaning & fitting work		
		3	Drive arrangement alignment work to be done.		
		4	Trial to be done		
	Electrical	1	Motor maintenance work to be done.		
		2	MCC Panel maintenance work		
	Instrument	1	All Temperature and level Control Valve cleaning and maintenance work		
		2	All Brix sensors & transmitters cleaning and checking		
● Condenser	Mechanical	3	All Positioner of Temperature and level Control Valve cleaning and maintenance		
		4	All Temperature Transmitters cleaning and checking		
		1	Manholes to be opened.		
		2	All Valves to be dismantled, repairing & fitting		
		3	Manholes to be closed with gasket.		
	Instrument	4	All Pneumatic On/Off valves dismentling work.		
		5	Trial to be done		
		1	All Pneumatic On/Off Valve ( total 60 Nos.) cleaning and maintenance work to done.		
● Crystallizer	Mechanical	2	All Limit Switches, SOVs and AFRs of Pneumatic On/Off Valve cleaning and maintenance		
		3	All Pressure and Temperature ( with element) cleaning, termination tightness and checking		
		1	All crystallizer planetary drive checking & repairing.		
		2	Both end gland filling		
		3	All used knife edge valve to be repaired & gland packing to be renewed.		
		4	No-load trial of drive to be done.		



	Electrical	5	Scrapping, washing & cleaning work to be done.		
		1	Motors maintenance work to be done.		
		2	Motors trial to be done.		
		3	MCC Panel maintenance work completed.		
Magma mixer & Pugmill.	Mechanical	1	B&C Magma mixer drive checked & repaired.		
		2	B massecuite pug mill cleaning and drive arrangement to be checked and fitted.		
		3	All suction & delivery butterfly valves to be checked & repaired.		
		4	No load trial to be done.		
	Electrical	1	All motors maintenance work		
		2	MCC Panel maintenance work		
Batch type centrifugal machine (Raw & Refinery)	Mechanical	1	All batch machines cylinders overhauling work		
		2	Supporting liner cleaning, checking & refitting		
		3	Basket cleaning to be done.		
		4	Brass liner to be fitted and No-load trial done.		
		5	Motor to be fitted and all machines running trial taken.		
	Electrical	1	MCC Panel maintenance work		
		2	Motors maintenance work is going on.		
		3	Refinery VFD Panel maintenance work completed.		
		4	Motors trial to be done.		
	Instrument	1	All Actuators cleaning and maintenance work completed.		
		2	All SOVs cleaning and maintenance work to be done		
		3	All Pressure Switches cleaning and calibration work completed.		
		4	All AFRLs cleaning and maintenance work completed.		
	Mechanical	1	All continuous machines basket with distributors dismantled, cleaning & repairing work		
		2	Lubrication system checking and trial to be taken.		
		3	All Magma pumps overhauling work		
		4	All machines box-up to be done.		
		5	Motors to be fitted and trial taken.		

Continuous Machine (10 nos)	Electrical	1	All motors maintenance work		
		2	MCC Panel maintenance work		
		3	Oil Pump motors maintenance work		
	Instrument	1	All Control Panel clearing and termination tightness work		
		2	All SOVs & Gang cleaning and maintenance work to be done.		
		3	All Iris Valve feedback sensor cleaning and checking work to be done.		
Molasses Run Off Tanks.	Mechanical	1	Washing and cleaning		
		2	High flow molasses pumps overhauling		
		3	All high flow pumps with Motor alignment to be done.		
		4	All suction & delivery butterfly valves to be checked & repaired.		
		5	Water testing to be done.		
	Electrical	1	All motors maintenance work		
		2	MCC Panel maintenance work		
B-C Sugar Melter	Mechanical	1	Drive checking & repairing work		
		2	Melt pumps repairing & fitting work		
		3	Inside washing and cleaning		
		4	Drive no-load trial		
		5	Water trial to be done.		
	Electrical	1	All motors maintenance work		
		2	MCC Panel maintenance work		
		3	All motors trial to be done.		
	Instrument	1	All Temperature Transmitters cleaning and checking work		
		2	All Control valve and it's Positioner cleaning and maintenance work		
		3	Brix sensor & transmitter cleaning and maintenance		
		1	Drive arrangement checking and repairing work		
		2	Inside hot & cold water coils to be checked by hydraulic testing		



B & C Vertical Crystallizer	Mechanical	3	All hot & cold water pumps dismantled, repairing & fitting work t		
		4	B & C liquidation pumps (3 nos) Dismantling ,cleaning, repairing & assembling		
		5	All liquidation pumps Gear Boxes to be checked & attended.		
		6	Motors to be fitted & Drive no-load trial to be done.		
		7	Water trial to be taken.		
	Electrical	1	All motors maintenance work to be done.		
		2	MCC Panel maintenance work		
B & C Massecuite Rota Pumps	Mechanical	1	B & C massecuite Transfer pumps (6 nos) Dismantling ,cleaning, repairing & assembling		
		2	All Transfer pumps Gear Boxes to be checked & attended.		
		3	All Transfer pumps Gear Box & Motor alignment work to be checked & attended.		
		4	No load trial to be done.		
	Electrical	1	MCC Panel maintenance work		
		2	All motors maintenance work		
Hoppers & FBD	Mechanical	1	Hopper no.- 1, 2 & 3 drive overhauling work		
		2	FBD drive overhauling work		
		3	All wooden Connecting Rod and strips with nut bolts checking & tightening work		
		4	FBD tensioner both size to be checking ,tightening & replacement work		
		5	Hopper tray plates to be dismantling ,Painting and fitting work.		
		6	Motors to be fitted & No load trial to be done.		
	Electrical	1	All motors maintenance work		
		2	MCC Panel maintenance work		
		3	Hot and cold air blower motor maintenance work		
		1	All Bucket 's Nut bolts checking and tightening work		

Sugar Elevators	Mechanical	2	Top drum pulley drive arrangement checking & repairing work		
		3	Elevator belt joint to be checked & bolt to be tightened.		
		4	Bottom Drum idler pulley bearing checking & greasing		
		5	No-load trial to be done.		
	Electrical	1	All motors maintenance work to be done.		
		2	MCC Panel maintenance work		
Distributor & Grader	Mechanical	1	Dismantling of Distributor & exciter motors for repairing		
		2	All SS wire netting to be Checked and fitted as per requirement.		
		3	Grader carden shaft to be checked and trial to be taken.		
		4	Exciter oil changed & carden shaft greasing to be done.		
		5	Distributor & exciter motor to be fitted on position after repairing.		
	Electrical	1	All motors maintenance work to be done.		
		2	MCC Panel maintenance work		
Sugar Bins	Mechanical	1	All control valve to be dismantled, repaired and fitted.		
	Instrument	1	Level Switches cleaning and checking work to be done.		
Weighing Machine & Stitching Machine	Mechanical	1	All Slat conveyors with drive overhauling work		
		2	Stitching machine overhauling work to be done.		
		3	Slat conveyor to be fitted after overhauling and trial taken.		
		4	Weighing machine water washing, cleaning & repairing work		
	Electrical	1	All Slat conveyors motors maintenance work		
		2	Control Panel maintenance work		
	Instrument	1	All O4 Panel for weighing machine cleaning & termination tightness work		
		2	All Pneumatic cylinder cleaning and maintenance work		
		3	All SOVs & Gang cleaning and maintenance work		
		4	All limit switches cleaning and maintenance work		
		5	All Load cell checking work completed, calibration to be done.		



		6	All Proxy Sensor cleaning and testing work		
Sugar Bag handling System	Mechanical	1	All belt conveyor Gear Boxes dismantling ,overhauling & fitting work to be done.		
		2	All belt conveyor idlers dismantle, cleaning, repairing & fitting work to be done.		
		3	All belt joint to be checked & attended.		
		4	Portable belt conveyor to be checked & attended.		
		5	All gear boxes oil to be filled & trial to be done after overhauling.		
	Electrical	1	All motors maintenance to be done.		
		2	MCC Panel maintenance work		
Cooling Tower & Injection pumps	Mechanical	1	Sludge removing and cleaning work of CT basin done.		
		2	Eliminator , V-Bar , Nozzle ,Wench tie & cable tie to be checked & replaced.		
		3	CT fan gearbox to be checked and repaired.		
		4	CT fan alignment (Angle)to be checked and trial to be taken.		
		5	Injection & Ejector pumps to be Dismantled repaired and fitted		
		6	NRV dismantle, repairing & fitting to be done.		
		7	Water fill up and pump's trial to be done		
	Electrical	1	All Motors maintenance to be done.		
		2	VFD and MCC panel maintenance work to be done.		
	Instrument	1	Pressure Gauge cleaning and calibration work		
Hot & cold UGR	Mechanical	1	Hot and cold water UGR Dewatering work		
		2	Cleaning of both UGR		
		3	All pumps to be repaired and fitted.		
		4	All pumps Suction & delivery Line valve to be checked & refitted.		
	Electrical	1	All Motors maintenance to be done.		
		2	VFD and MCC panel maintenance work to be done.		
		1	Molasses Cooling water pump to be repaired & fitted.		
		2	Molasses Circulation pump repairing		

Molasses tank	Mechanical	3	Molasses Tank no.1 to 3 water cooling coil to be cleaned & repaired.		
		4	All Butterfly valve to be checked ,repaired & replaced.		
	Electrical	1	All Motors maintenance to be done.		
		2	MCC panel maintenance work to be done.		
	Instrument	1	Weighing Scale System cleaning & checking work to be done.		
ETP	Mechanical	1	Both Aeration tank Dewatering & sludge cleaning work		
		2	Primary clarifier Dewatering & sludge cleaning work		
		3	Secondary clarifier Dewatering & sludge cleaning work		
		4	Both Neutralization Tank sludge cleaning work done and drive repairing to be done.		
		5	Equalization tank Dewatering & sludge cleaning work		
		6	All air blower dismantle, cleaning & overhauling work		
		7	Both Clarifier drive arrangement repairing work		
		8	All sludge pumps dismantling, cleaning, repairing & fitting work.		
		9	Secondary clarifier bottom repairing (civil work) to be done.		
		10	Oil & grease skimmer to be checked, cleaned & repaired.		
		11	All type of valves to be cleaned & repaired.		
		12	Lagoon self priming pump repairing work		
		13	No-load trial to be done.		
	Electrical	1	All Motors maintenance		
		2	MCC panel maintenance work		
	Instrument	1	All Flow Meter cleaning and calibration work		
MCS	Mechanical	1	RAW Melter all G3 drives repairing work		
		2	MCS Clarifier planetary gear box repairing work		
		3	Reaction tank drive no.1 repairing work done and driver no.2 repairing .		
		4	Lime Sucrate / Flocculent drive repairing work		
		5	Lime Sucrate / Flocculent dosing pumps repairing to be done.		

	Electrical	6	Internal cleaning of clarifier & buffer tank to be done.		
		1	All Motors maintenance work		
		2	MCC panel maintenance work		
		3	Motors trail to be done.		
	Instrument	1	All Pneumatic Actuators with Positioner cleaning and maintenance work to be done.		
DCS Control Panel	Instrument	1	All Panels cleaning and terminal tightness work to be done.		
COGEN					
Boiler Feed Pump	Mechanical	1	BFP Ring Gasket changed and ARC valve maintenance		
		2	BFP- DE and NDE side bearing cleaning and inspection		
		3	BFP mechanical seal dismantled and repairing work		
	Electrical	1	BFP-DE and NDE side bearing greasing and inspection		
		2	BFP-motor cleaning work		
		3	BFP- terminal to be checked and tightened.		
		4	BFP- motor resistance value to be checked		
	Instrument	1	BFP-RTD and Temperature transmitter cleaning and tightness work		
		2	Vibration Probe cleaning and checking work		
		3	BFP- 2 discharge line PT leakage		
		4	BFP side all JB cleaning and tightness work		
		5	All Temperature and Pressure gauge cleaning and calibration work		
		6	BFP all impulse line tightness work		
	Mechanical	1	feed transfer pump overhauling work		
		2	Feed transfer pump mechanical seal replaced with new one.		
		3	Feed pump strainer cleaning work		
		4	Feed pump suction line butterfly valve repairing and fitted to position.		
		1	Feed transfer motor overhauling work		



Feed Transfer Pump	Electrical	2	Feed transfer motor- DE and NDE side bearing greasing and inspection work .		
		3	Feed transfer pump terminal checked and tightened.		
		4	Feed transfer pump motor resistance value checked found Healthy.		
	Instrument	1	All gauge calibration work to be done.		
		2	Pressure Transmitter tightness work		
		3	Level Transmitter of Feed Transfer Tank cleaning and checking work		
COOLING TOWER PUMPS AND FAN	Mechanical	1	MCW strainer cleaning and inspection work		
		2	MCW overhauling work		
		3	All MCW decoupling and motor repairing work.		
		4	ACW overhauling work		
		5	ACW pumps bearing and sleeve checking		
		6	ACW strainer cleaning work and its inspection work.		
		7	CT fan decoupling for motor repairing and after repairing coupling and its trail taking		
		8	MCW discharge line leakagechecking and welding if required.		
	Electrical	1	MCW Power cable disconnecting and overhauling work to be done.		
		2	ACW motor overhauling work		
		3	ACW motor DE and NDE side bearing greasing and inspection work		
		4	ACW motor resistance value checking		
		5	CT fan motor overhauling work		
		6	CT fan motor DE and NDE side bearing greasing and inspection work		
		7	CT fan motor resistance value checking and TB tightening.		
	Instrument	1	Pneumatic On/Off valve cleaning and maintenance work		
		2	LT, FT, PT and RTD cleaning , termination tightness and calibration		
		1	Fire fighting pump maintenance work		

## WTP

Mechanical	2	UGR - pump maintenance work		
	3	Jockey pump maintenance work		
	4	MB feed pump overhauling		
	5	CIP pump maintenance work		
	6	Degasser blower maintenance work		
	7	DM transfer pump overhauling work		
	8	DM transfer pump overhauling work		
	9	All pumps trial		
	10	WTP pipe line work		
	11	MB air blower maintenance work		
	12	RO membrane work		
Electrical	1	Fire fighting motor overhauling work		
	2	UGR motor overhauling work		
	3	Jockey motor overhauling work		
	4	MB Feed Motor overhauling		
	5	CIP Motor overhauling work		
	6	Degasser blower Motor overhauling work		
	7	DM transfer Motor overhauling work		
	8	DM transfer motor overhauling		
	9	All motors trial		
Instrument	1	WTP DCS panel cleaning and tightness work		
	2	pH sensor cleaning & checking work		
	3	All pressure gauge cleaning and calibration work		
	4	All actuator maintenance work		
	5	Flow meter cleaning and checking		
	1	Drum Feeder gearbox overhauling		
	2	Drum Feeder gearbox overhauling and its bearing replacement if required.		
	3	Screw Feeder overhauling work		
	4	All Screw feeder tyre coupling checking		
	5	Ultrasonic test of ID, FD & SA shaft		
	6	Ultrasonic test of RBC, MBC and Bagasse elevator travelling grate shaft		

# Boiler

Boiler	Mechanical	7	Boiler water well tube LFET test		
		8	RAD gear box overhauling work		
		9	SA and FD fan decoupled for motor overhauling.		
		10	APH tube dismantling and refitting of new tubes.		
		11	Traveling grate maintenance work		
		12	ID Fan overhauling work		
		13	Boiler steam drum inspection work		
		14	SMBC Ideal roller checking work		
		15	Final Hydraulic Testing of the boiler at a pressure		
			(At a Pressure equivalent to 1.5 times the boiler working pressure + 3.5 kg/cm <sup>2</sup> )		
			Boiler slow firing 15 days before start of crushing operation.		
	Electrical	1	Drum Feeder motor overhauling		
		2	Screw feeder motor overhauling		
		3	Travelling grate motor overhauling		
		4	Bagasse elevator motor overhauling		
		5	BC motor overhauling work		
		6	FD fan motor overhauling		
		7	SA fan motor overhauling work		
		8	ID fan motor overhauling work		
		9	Fd fan motor DE and NDE side bearing greasing and inspection		
		10	RAV motor overhauling work		
	Instrument	1	All MOVs cleaning and checking		
		2	All Signal JB's and PDB's cleaning & connection tightness work		
		3	Boiler Feed station control valves cleaning and repair work		
		4	Boiler SA & FD damper control valve cleaning and maintenance work		
		5	Boiler DCS panel cleaning and terminal tightness work		
		6	O <sub>2</sub> Analyzer and it's sensor cleaning and terminal tightness work		



		7	All PT, TT, TE, LT and FT cleaning and checking work		
		8	All Pressure & Temperature Gauge cleaning and calibration work		
		9	Boiler attemprator control valves repair work		
		10	ID, FD & SA Vibration Probe cleaning and checking work		
Belt Conveyors	Mechanical	1	MBC & RBC Chain dismantling work		
		2	MBC & RBC runner plate maintenance work		
	Electrical	1	All motors maintenance work		
		2	All MCC panel maintenance work		
ESP & Ash handling system	Mechanical	1	RAV gearbox cleaning and overhauling work		
		2	ESP cleaning work		
		3	Hammers checking work		
		4	Anode and cathode plate checking work		
		5	CI Bend dismantling work		
		6	Silo bag filters cleaning and checking work		
	Electrical	1	Penthouse cleaning work		
		2	Rapper Motors cleaning and checking work		
		3	Transformer cleaning and checking work		
		4	Insulators cleaning and visual checking work		
		5	Penthouse Heaters cleaning and checking work		
	Instrument	1	All Ash handling panel cleaning and terminal tightness		
		2	ESP side all JB cleaning connection tightness work		
		3	SOVs, Pressure Gauges, Pressure switches & Pneumatic limit switches cleaning and maintenance work		
		4	Pneumatic Cylinders cleaning and overhauling work		
		5	Silo Bag filter SOVs cleaning and maintenance work		
DCS Control Panel	Instrument	1	All Panel cleaning and terminal tightness work		
	Mechanical	1	CEP 1 & 2 overhauling work		
		2	CEP 1 & 2 coupling		
		3	Condenser manhole ( 6. nos ) open for jet cleaning.		
		4	Ejector gasket cutting work		

Turbine		5	Centrifugal pump overhauling		
		6	GVC Fan overhauling work		
		7	Steam trap valve overhauling work		
	Electrical	1	CEP 1 & 2 motor overhauling work		
		2	CEP 1 & 2 motor DE and NDE side bearing greasing and inspection work		
		3	CEP 1 & 2 motor terminal checking and tightening		
	Instrument	1	Turbine DCS panel cleaning and tightness work		
		2	TGP Panel cleaning and terminal tightness work		
		3	TGP Panel impulse line checking & tightning		
		4	All PT, TT, TE and FT cleaning and checking work		
		5	Hot well Level transmitters cleaning and checking work		
		6	Both HP Heater Level Transmitter and level switches cleaning and checking		

Any special work if there are to be completed