



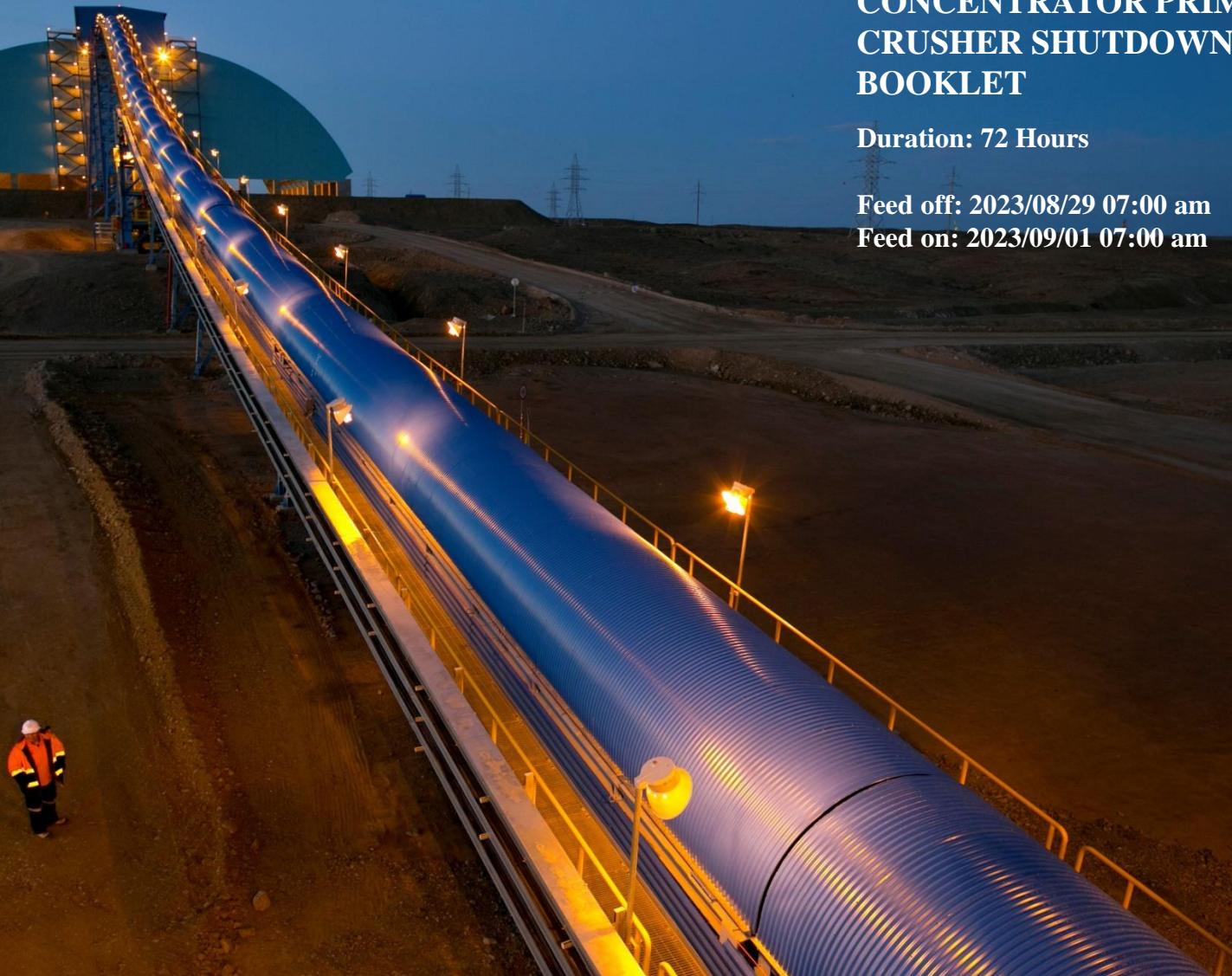
## CONCENTRATOR PRIMARY CRUSHER SHUTDOWN 2023

### CONCENTRATOR PRIMARY CRUSHER SHUTDOWN BOOKLET

Duration: 72 Hours

Feed off: 2023/08/29 07:00 am

Feed on: 2023/09/01 07:00 am





## SHUTDOWN TIMELINE



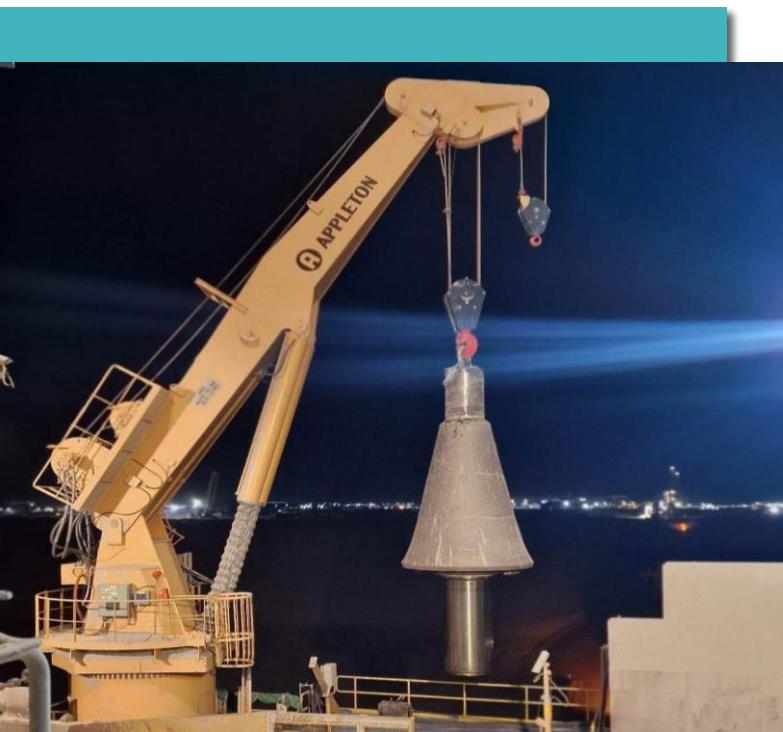
## 72HRS PRIMARY CRUSHER SHUTDOWN KEY TASKS

- 3110CRU001 - INSPECT BOTTOM PISTON WEAR RING & ECCENTRIC
- 3110BIN002 - SURGE BIN KWICK LOCK LINER C/O
- 3110BLD010 - 690MCC 2Y OFF-L INSPECTION
- 3110FDA001 - APRON FEEDER SPROCKET REVERSE
- 3110FDA001 - FEED CHUTE, DIS CHUTE REPAIR & SKIRT LINER C/O
- 3120CVB011 - DRIVE GEARBOX B REPLACE
- 3120CVB011 - ROLLER & SCRAPPER C/O
- 3120CVB011 - OVERLAND CONVEYOR DIS CHUTE REPAIR & SKIRTING LINER C/O
- 3120CVB001 - TAKE UP PULLEY#2 REPLACE
- 3120CVB001 - ROLLER & SCRAPPER C/O
- 3120CVB001 - OVERLAND CONVEYOR DIS CHUTE REPAIR & SKIRTING LINER C/O
- 3120CVB002 - 6.3kv VACUUM CIRC BREAKER SERVICE
- 3120CVB002 - ROLLER & SCRAPPER C/O
- 3120CVB002 - TRIPPER CAR TROUSER CHUTE (EAST & WEST) C/O
- 3120CVB002 - OVERLAND CONVEYOR DIS CHUTE REPAIR & SKIRTING LINER C/O



## CRITICAL PATH

REMOVE MAIN SHAFT  
INSPECT BOTTOM  
PISTON WEAR RING &  
ECCENTRIC





## CRITICAL PATH

SURGE BIN KWICK  
LOCK LINER C/O





## CRITICAL PATH

APRON FEEDER  
SPROCKET REVERSE





## CRITICAL PATH

690 MCC E&I 2Y  
INSPECTION





## POWER OUTAGE INFORMATION

**OVERLAND CONVEYOR  
BLD010**

**OVERLAND CONVEYOR  
BLD200**



## POWER OUTAGE & AREAS TO BE INTERRUPTED

**07:30 – 14:00**

**Aug 30, 2023**



## CRITICAL PATH

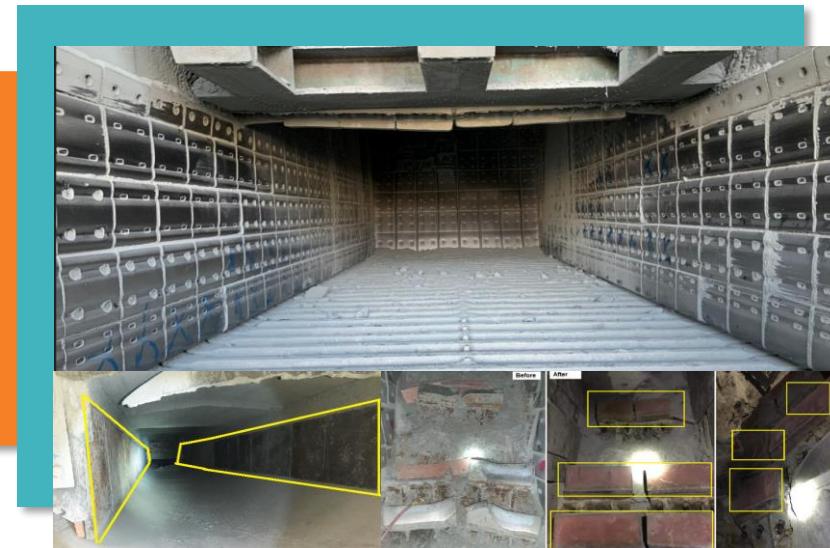
HIGH VOLTAGE  
TWR14-2 DSW STUCK REPAIR  
SS#18 XMR1401 LV HEATER REPLACE





## CRITICAL PATH

FDA001 APRON FEEDER  
FEED CHUTE,  
DISCHARGE CHUTE  
REPAIR & SKIRT LINER  
CHANGE OUT





## CRITICAL PATH

**CVB011 DRIVE B  
GEARBOX REPLACE**





## CRITICAL PATH

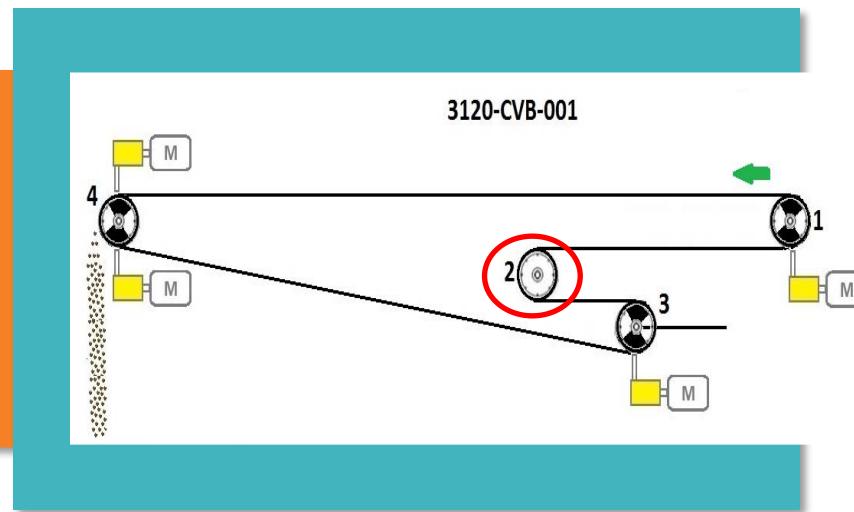
**CVB011, CVB001, CVB002  
OVERLAND CONVEYOR  
DISCHARGE CHUTE  
REPAIR & SKIRT LINER  
CHANGE OUT**





## INFORMATION

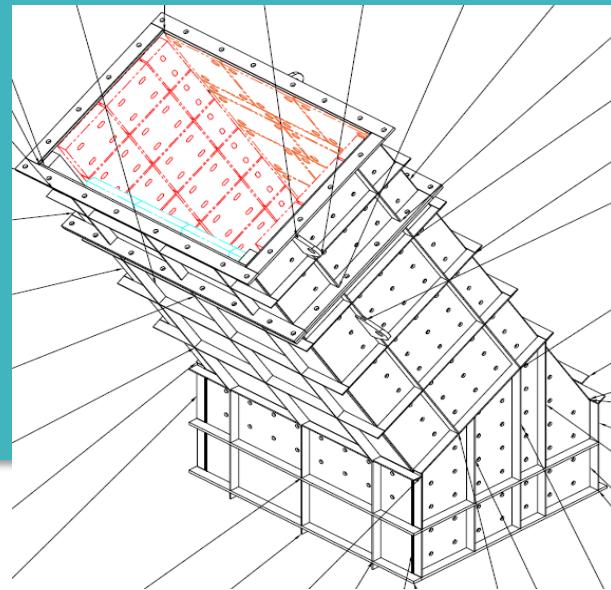
**CVB001 TAKE UP  
PULLEY#2 REPLACE**





## CRITICAL PATH

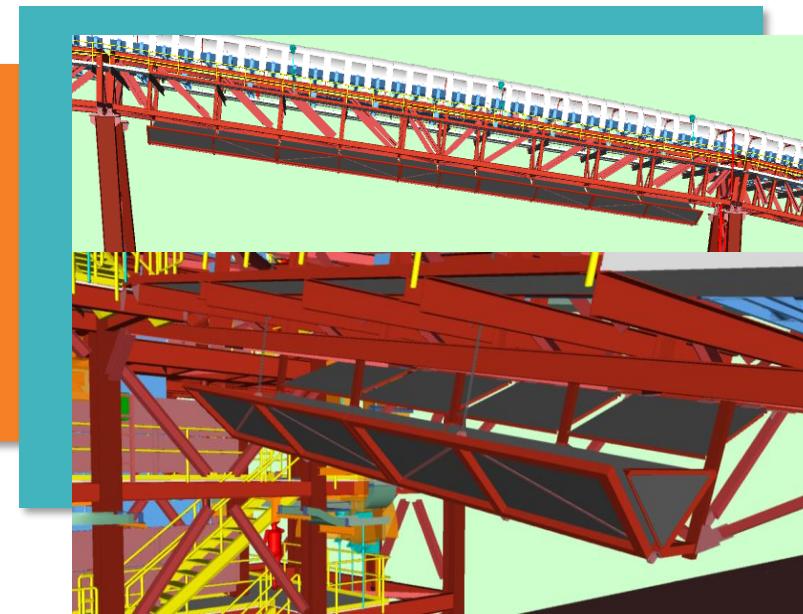
**CVB002 REPLACE  
TRIPPER CAR TROUSER  
CHUTE WEST & EAST**





## INFORMATION

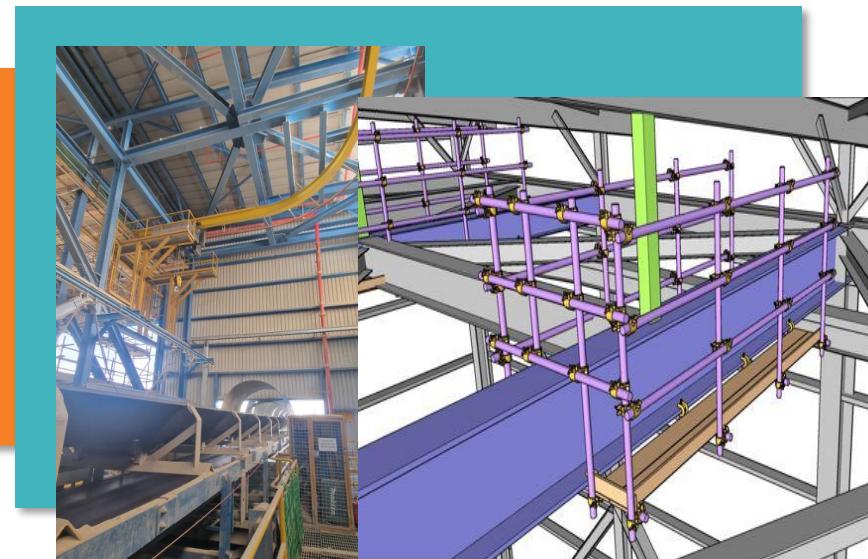
**UG PROJECT  
CVB002 CONVEYOR  
DISCHARGE ROCK CAGE  
INTALLATION**





## INFORMATION

**UG PROJECT  
CVB002 INSTALL  
RAFTERS AT GRIDLINE  
K - J1 & H - G**





## TEAM MEMBERS CHANGE/TEAM MOVE TO NEW TASK

SHUT COORDINATOR  
ARRANGE TEAM  
MEMBERS

TASK SUPERVISOR  
INFORM & ASSESS RISK

TEAM MEMBER  
EXECUTE TASK





## SCOPE CHANGE REQUEST FORM/APPROVAL FLOW

<https://otforms/Runtime/Runtime/Form/SCRF.FORM.Request/>

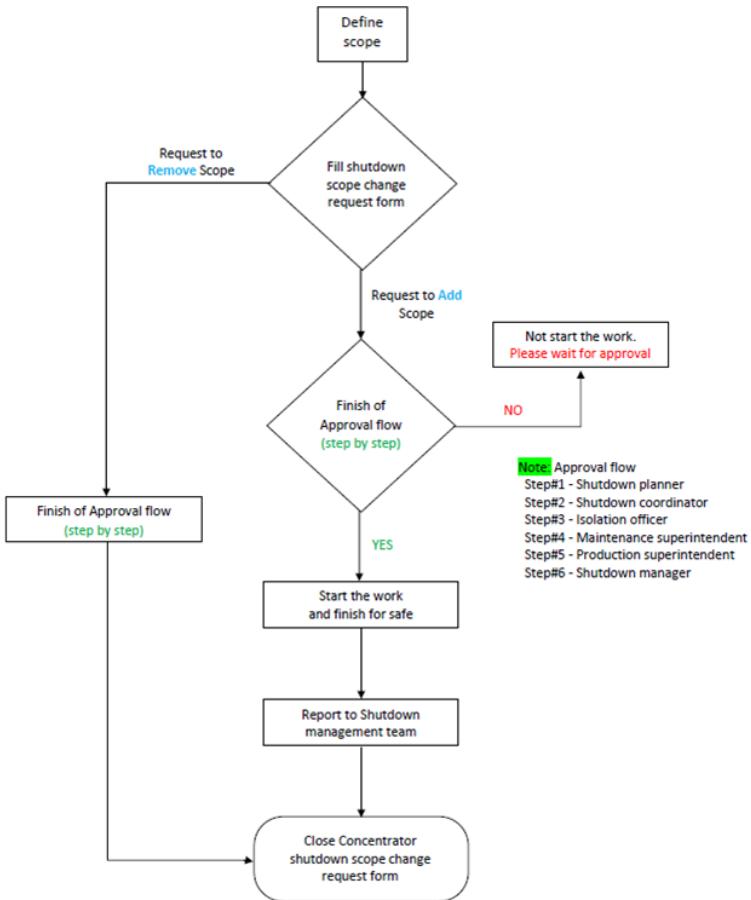
**Scope Change Request Form**

**Scope Change Request - Break Ins & Break-outs** To be completed for all Break-ins and Break-outs after Schedule Lock-in and during the shutdown itself/ Зогсолтын уяр болон төлөвлөгөөний багасгаас хойш эжлийн нэмэх хийсан тохиолдод уг формигаа боловно.

Pre Shut (between lock in & start) / Зогсолтын уяар (туслалт тавих болон зогсож эхэх хородн)	During Shut / Зогсолтын уяар
Request to Add Scope / Ажлын нэмэх хүснэгт	Request to Remove Scope/ Ажлын цуцлах хүснэгт
Requester Name / Хүснэгт гаргачийн нэр: Bayar-Erdene Tsedenbold, QD	Requested Date / Хүснэгт гаргасан оноос: 9/28/2022
Requester Position / Хүснэгт гаргачийн албан тушаал: Planner	Requester Email / Хүснэгт гаргачийн эмэйл хаяг: bayar-erdene@ot.mn
<b>Impact Analysis/Нэвтрэлийн анализ</b>	
Work Order Number / Ажлын захыалын дугаар: Type a value	Notification Number / Ажлын хүснэгтийн дугаар: Type a value
Functional location or Asset tag number / Уйн ажиллагааны байрлах хувь Хөрөнгийн бүртгэлийн дугаар: Type a value	Function Location Desc: Type a value
Work description / Ажлын гарчиг: Type a value	
Reason for the late request / Хүснэгтийн зорилж гаргах болсон шалтгаан: Type a value	
Is the Job a priority task? (Requestor) / Уг ажлы нийн чухал юу? (Хүснэгт гаргач)	
Job Scope Completed and attached? (Requestor) / Ажлын хамрах цар хэрээ, аргачлал түйцэт болсон мөн түүнийг хавсаргасан эсэх	
Required parts identified and available? (Requestor&Shut Planner) / Шаардлагатай сэлбэг хэрэгслийг тодорхойлсон эсэх, тэдгээр нь бэлэн эсэх	

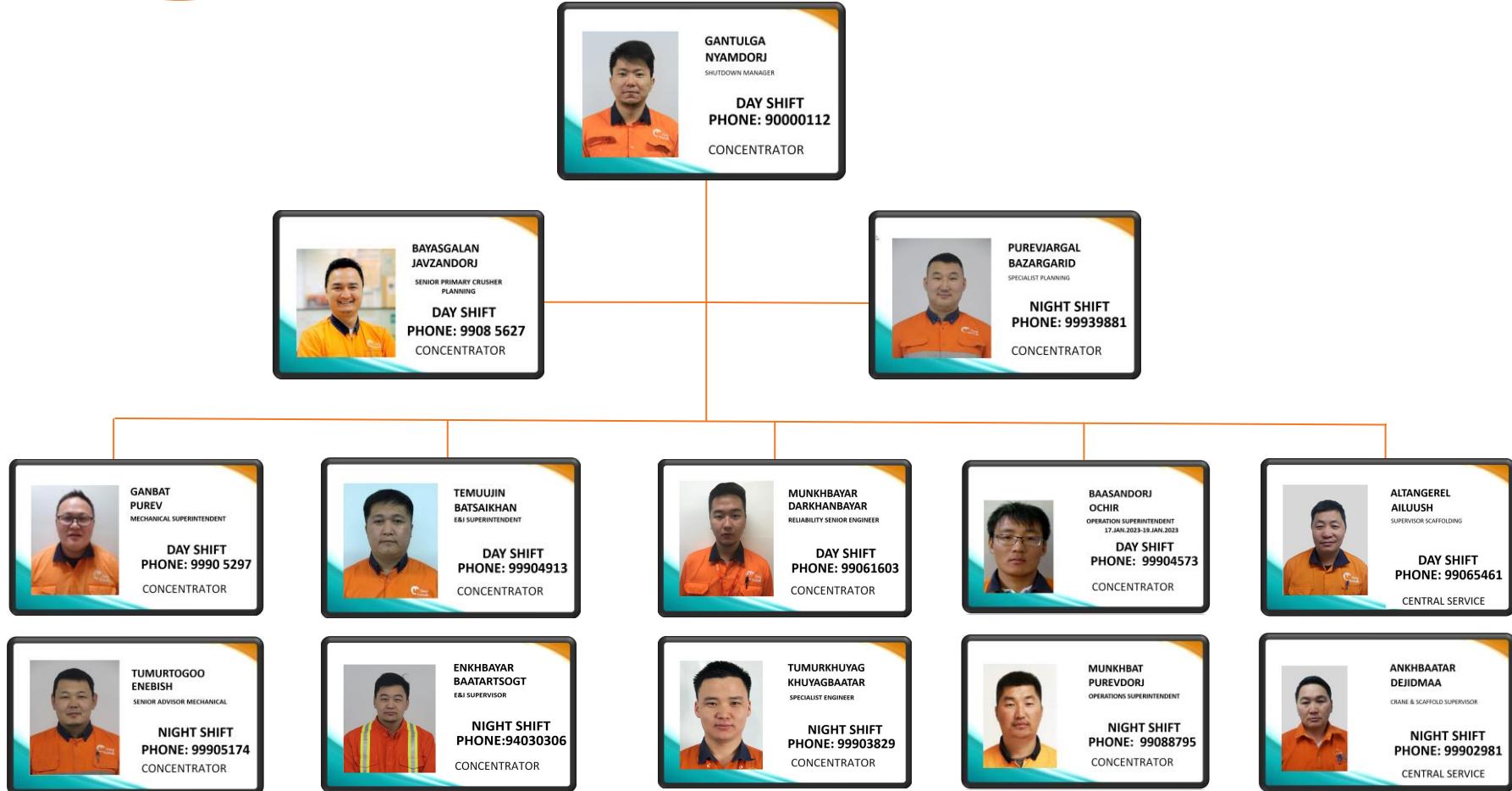
**REVISION:**  
**PRIMARY CRUSHER-23SDCR03**  
**TOTAL SHUT-CTOT2023**  
**LINE SHUT-23SD03L1**

**Flow chart for Concentrator shutdown  
Scope Change Request Form**





## MANAGEMENT TEAM





## SHUTDOWN COORDINATORS

### DAY SHIFT



**DAVAAUTSEREN  
TSENNADMID**  
ELSMOTH SPECIALIST  
MAINTENANCE MECHANICAL

**DAY SHIFT**  
PHONE: 99104676  
CONCENTRATOR



**TSOIGTMAGNAI  
NARANIMANDAKH**  
E&I SUPERVISOR

**DAY SHIFT**  
PHONE: 99909431  
CONCENTRATOR



**ENKHBAYAR  
BYAMBASUREN**  
OPERATION SUPERVISOR

**DAY SHIFT**  
PHONE: 99902915  
CONCENTRATOR



**GANCHIMEG  
JAMBALISH**  
HSE advisor

**DAY SHIFT**  
16-17 MAY 2023  
PHONE: 9509 1352  
CONCENTRATOR



**SER-OD  
ENEBISH**  
ISOLATION OFFICER-PRIMARY CRUSHER

**DAY SHIFT**  
PHONE: 9995 6665  
CONCENTRATOR



**ALTANGEREL  
AILUSH**  
SUPERVISOR SCAFFOLDING

**DAY SHIFT**  
PHONE: 99065461  
CENTRAL SERVICE



**TUGULDUR  
BATBOLD**  
PLANNER-E&I

**DAY SHIFT**  
PHONE: 88884796  
CONCENTRATOR



**ERDENE-AMGALAN  
BAT-ERDENE**  
SUPERVISOR MONNIS

**DAY SHIFT**  
PHONE: 99902962  
CRANE MAINTENANCE



**BAYANBAATAR  
DORJPUREV**  
WORLEY CONSTRUCTION

**DAY SHIFT**  
PHONE: 91119622  
UG PROJECT



**MAGSARJALAM  
BOLDBAATAR**  
SUPERVISOR HIGH VOLTAGE

**DAY SHIFT**  
PHONE: 99106135  
CENTRAL SERVICE

### NIGHT SHIFT



**DORISUREN  
TSEREN**  
SENIOR ENGINEER MECHANICAL

**NIGHT SHIFT**  
PHONE: 99022539  
CONCENTRATOR



**ENKHBAYAR  
BAARTSOGT**  
E&I SUPERVISOR

**NIGHT SHIFT**  
PHONE: 94030366  
CONCENTRATOR



**GANZORIG  
TUMURBAATAR**  
OPERATION SUPERVISOR

**NIGHT SHIFT**  
PHONE: 99355458  
CONCENTRATOR



**BATTUVSHIN  
SENGEE**  
HSE advisor

**NIGHT SHIFT**  
PHONE: 95091786  
CONCENTRATOR



**BATMUNKH  
GANBAT**  
ISOLATION OFFICER-PRIMARY CRUSHER

**NIGHT SHIFT**  
PHONE: 88054408  
CONCENTRATOR



**ANKHBAATAR  
DEJDIDMAA**  
CRANE & SCAFFOLD SUPERVISOR

**NIGHT SHIFT**  
PHONE: 99902981  
CENTRAL SERVICE



**TERGEL  
BOLBAATAR**  
PRIMARY CRUSHER PLANNING

**DAY SHIFT**  
PHONE: 95091680  
CONCENTRATOR



**JAMIYASUREN  
SHUUR**  
SUPERVISOR MONNIS

**NIGHT SHIFT**  
PHONE: 99930103  
CRANE MAINTENANCE



**SARANTOO  
BAYASGALAN**  
WORLEY CONSTRUCTION

**NIGHT SHIFT**  
PHONE: 99767673  
UG PROJECT



**GALDAN  
TSOGT**  
ENGINEERING TEAM  
INSPECTOR QA/QC

**NIGHT SHIFT**  
PHONE: 99901143  
CONCENTRATOR



## SAFETY TEAM

### ӨДРИЙН ЭЭЛЖ / DAY SHIFT

GANCHIMEG  
JAMBA-ISH  
HSE advisor

**DAY SHIFT**  
16-17.MAY.2023

**PHONE: 9509 1352**  
CONCENTRATOR

### ШӨНИЙН ЭЭЛЖ / NIGHT SHIFT

BATTUVSHIN  
SENGEE  
HSE advisor

29.AUG-04.SEP.2023

**NIGHT SHIFT**

**PHONE: 95091786**  
CONCENTRATOR



## ISOLATION TEAM

### DAY SHIFT



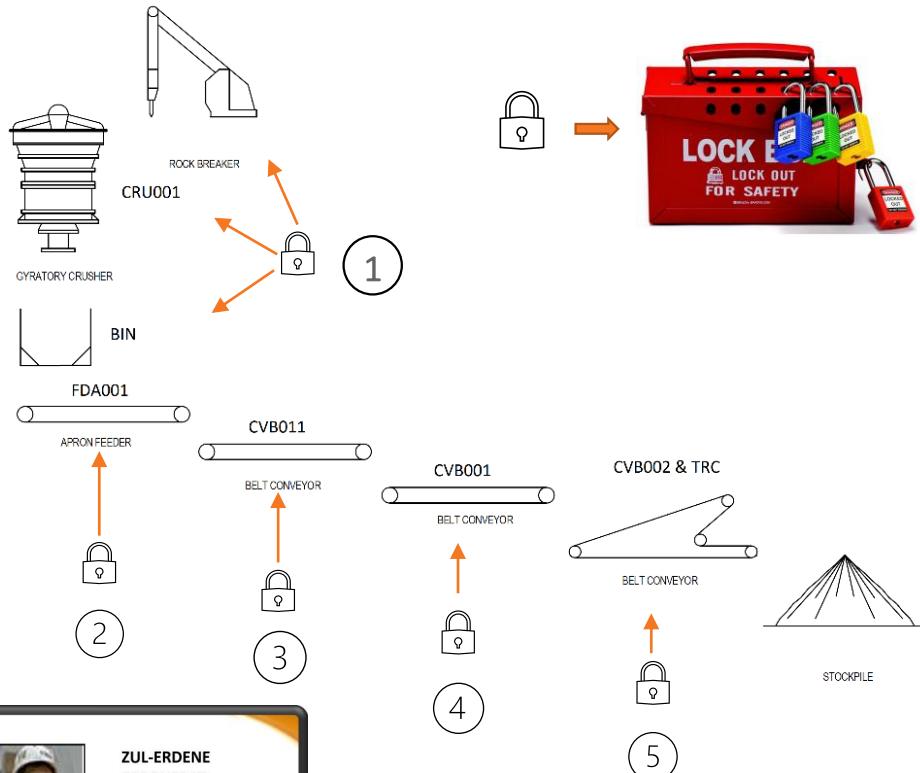
### NIGHT SHIFT



### ISOLATION COORDINATOR



## ISOLATION INFORMATION



## ISOLATION COORDINATOR



## ISOLATION SCHEDULE

1	RBK001, CRU001	29 Aug
	Start	11:00 am
	Finish	11:30 am
2	FDA001,MGT001	29 Aug
	Start	09:30 am
	Finish	10:00 am
3	CVB011	29 Aug
	Start	10:00 am
	Finish	10:30 am
4	CVB001 & CVB2030	29 Aug
	Start	11:00 am
	Finish	1:00 pm
5	CVB002 & TRC	29 Aug
	Start	10:00 am
	Finish	10:30 am



## LOCATION OF ISOLATION BOX

- ISO#1 CONTROL ROOM of PC
- ISO#2, #3 OPERATION CONTAINER
- ISO#4, #5, E-ROOM 200

## GREEN HIGHLIGHTS ON GANTT CHART

- Ногооноор тодруулсан FO гэсэн товчлол:** Өндөрөөс унах буюу дээрээс эд зүйл унагах эрсдэлтэй ажлууд.




Work Order	Function Location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Trade
								<b>BALL MILL#2</b>	309.25 hrs	
								<b>BALL MILL GIRTH GEAR, PINIONS AND MAIN GUARD CHANGE OUT</b>	309 hrs	
								<b>REPLACE GIRTH GEAR ASSY</b>	112 hrs	
26825467-49013420MIL003TRAN.GEAR	3420-MIL-003						<b>FO</b>	Build bottom platform of ball mill	2 hrs	Scaffold
26825467-49013420MIL003TRAN.GEAR	3420-MIL-003			<b>WH</b>			<b>FO</b>	Clean up grease on ball mill feed side bottom base	12 hrs	Ops
26825467-49013420MIL003TRAN.GEAR	3420-MIL-003			<b>WH</b>			<b>FO</b>	Clean girth gear surface	10 hrs	Mech-1
86341235-49013420MIL003ELEC	3420-MIL-003						<b>FO</b>	Check Temp&Ancillary sensors indication	2 hrs	E&I-1
								<b>REPLACE PINION BEARING ASSY AND GUARD</b>	294 hrs	
								Replace Non inching drive side Lower section of guard when removed the Old NID side pinion assembly	235 hrs	
27550242-49013420MIL003TRAN.CLUT	3420-MIL-003			<b>WH</b>	<b>MH</b>	<b>FO</b>		Install new bottom 1st section of Guard	4 hrs	Mech-1,Rig
								<b>BALL MILL PM02 TASKS</b>	100 hrs	
28579316-49013420MIL003	3420-MIL-003		<b>HW</b>	<b>WH</b>			<b>FO</b>	Install handrail on bottom base & main gear spray nozzle both side	8 hrs	Weld-Con1

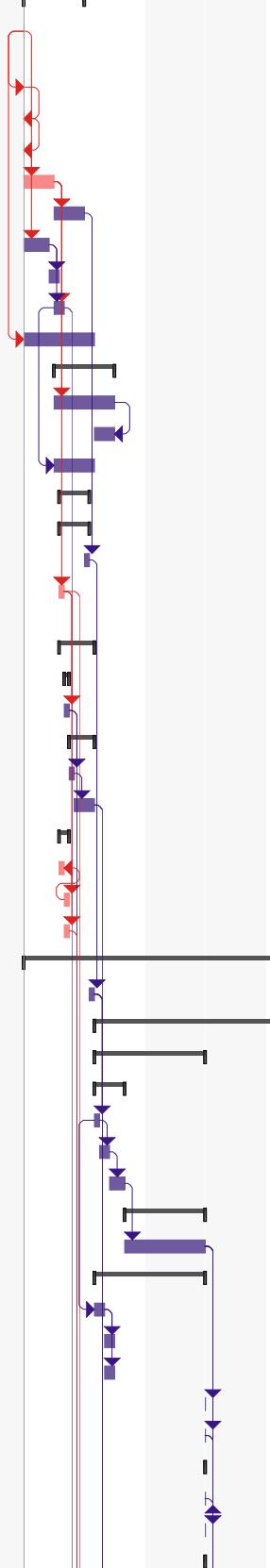
- Гарчийг нь ногооноор тодруулсан ажлууд:**

Өндөрөөс унах буюу дээрээс эд зүйл унагах эрсдэлтэй ажлууд боловч төлөвлөлт болон хуваарь гаргалтын хувьд нэгэн зэрэг хийгдэхэд асуудалгүй болгож зөрүүлсэн мөн тухайн эрсдлийг нь бууруулж, хяналтанд авсан ажлууд.

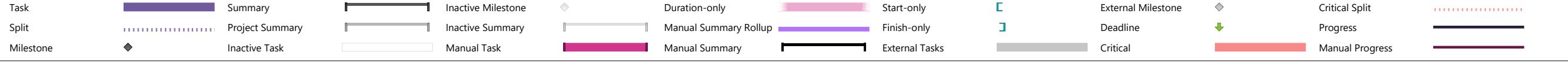
## GANTT CHART

# АЖЛЫН ДЭЛГЭРЭНГҮЙ ГАНТТ ЧАРТ

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 31.AUG.2023**



Project: PRIMARY CRUSHER SH  
Date: Tue 8/15/23 3:47 PM



**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 31.AUG.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man Trade	Start	Finish	Tue Aug 29 12 AM	6 AM	12 PM	6 PM	Wed Aug 30 12 AM	6 AM	12 PM	6 PM	
51	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS	WH			FO	Install ladder down to inner eccentric and pump out the residual oil	1 hr	5+2 Mech-1,Lube	Tue 8/29/23 7:00 PM	Tue 8/29/23 8:00 PM									
52	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS	WH			FO	Measure and inspect inner bushing	0.5 hrs	5 CM,Mech-1	Tue 8/29/23 8:00 PM	Tue 8/29/23 8:30 PM									
53	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS	WH			FO	Inspect the center wear ring	3 hrs	5+2 CM,Mech-1	Tue 8/29/23 8:30 PM	Tue 8/29/23 11:30 PM									
54	71658427	49013110CRU001ECAS.LINR	3110-CRU-001	CS	WH			FO	Cru CM Off-I Concave Liner UT Inspection	1 hr	2 CM	Tue 8/29/23 8:30 PM	Tue 8/29/23 9:30 PM									
55									<b>REPLACE SURGE BIN WALL &amp; REPAIR ARM RIP LINERS</b>	<b>32.5 hrs</b>			<b>Tue 8/29/23 11:00 PM</b>	<b>Thu 8/31/23 7:30 AM</b>								
56	89371984	49013110CRU001BIN2.LINR	3110-BIN-002	CS	HW	WH		FO	Cru Mech 36W Surge Bin Kwick lock & Wall liners replace	32 hrs	7 Mech-1	Tue 8/29/23 11:30 PM	Thu 8/31/23 7:30 AM									
57	89169231, 71506965	49013110CRU001BIN2	31-LIT-0101	CS	WH	MH		FO	Cru El Off-I Tilt Switch Insp/Cleani	6 hrs	2 E&I-1	Thu 8/31/23 1:30 AM	Thu 8/31/23 7:30 AM									
58	89393868	49013110CRU001BIN2.LINR	3110-BIN-002	CS					Cru CM 12W Off-I Sur Bin/Arm/Case LnrVis	1 hr	2 CM	Tue 8/29/23 11:00 PM	Wed 8/30/23 12:00 AM									
59									<b>INSTALL MANTLE AND SPIDER ASSY</b>	<b>6 hrs</b>			<b>Thu 8/31/23 7:30 AM</b>	<b>Thu 8/31/23 1:30 PM</b>								
60	89399389	49013110CRU001MASH	3110-CRU-001	CS					Cru Mech 12W Off-L Bonnet seal Clean up	1 hr	2 Mech-1	Thu 8/31/23 10:30 AM	Thu 8/31/23 11:30 AM									
61	71655642	49013110CRU001MASH.LINR	3110-CRU-001	CS		MH			Re-Install Cru Mech Off-L Mantle Liner	3 hrs	6+4 Mech-1,Rig	Thu 8/31/23 7:30 AM	Thu 8/31/23 10:30 AM									
62	71655642	49013110CRU001SPIR	3110-CRU-001	CS		MH			Install spider assembly and connect grease pipe	2 hrs	6+4 Mech-1,Rig	Thu 8/31/23 10:30 AM	Thu 8/31/23 12:30 PM									
63	71655642	49013110CRU001SPIR	3110-CRU-001	CS		MH			Add grease spider cap and install spider cap	1 hr	6+4 Mech-1,Rig	Thu 8/31/23 12:30 PM	Thu 8/31/23 1:30 PM									
64									<b>PRESTART TASKS</b>	<b>3 hrs</b>			<b>Thu 8/31/23 1:30 PM</b>	<b>Thu 8/31/23 4:30 PM</b>								
65	89399389	49013110CRU001BIN2.LINR	3110-BIN-002	CS		MH	FO		Dismantle scaffold inside Surge bin	1.5 hrs	4 Scaffold	Thu 8/31/23 1:30 PM	Thu 8/31/23 3:00 PM									
66	89399389	49013110CRU001BIN2.LINR	3110-BIN-002	CS					Close surge bin door	1.5 hrs	6 Mech-1	Thu 8/31/23 3:00 PM	Thu 8/31/23 4:30 PM									
67	71655642	49013110CRU001MASH.LINR	3110-CRU-001						Cru El Off-I Mantle Pos calibration	1.5 hrs	2 Met,E&I ,IO, Ops	Thu 8/31/23 3:00 PM	Thu 8/31/23 4:30 PM									
68	71655642	49013110CRU001MASH	3110-CRU-001						Cru El Off-I Mantle Pos Indicato Ins	1 hr	2 E&I-1	Thu 8/31/23 3:00 PM	Thu 8/31/23 4:00 PM									
69	89399389	49013110CRU001MASH.LINR	3110-CRU-001	CS					Remove safety hard barricade, safety stair and static line	0.5 hrs	3+4 Mech-1,Rig	Thu 8/31/23 3:30 PM	Thu 8/31/23 4:00 PM									
70									<b>PRIMARY CRUSHER PMs</b>	<b>58.5 hrs</b>			<b>Tue 8/29/23 1:00 PM</b>	<b>Thu 8/31/23 11:30 PM</b>								
71									<b>PRIMARY CRUSHER PM02</b>	<b>44 hrs</b>			<b>Tue 8/29/23 1:00 PM</b>	<b>Thu 8/31/23 9:00 AM</b>								
72	71633920	49013100BLD011	3110-BIN-001	HW		MH			Control room platform support repair	8 hrs	3 Gobi Weld, Scaffold	Wed 8/30/23 12:00 AM	Wed 8/30/23 8:00 AM									
73	71647474	49013110GATE	3110-CRU-001			MH			Crusher dump stopper boom gate electrical panel repair	44 hrs	2 Low voltage	Tue 8/29/23 1:00 PM	Thu 8/31/23 9:00 AM									
74									<b>APPLETON CRANE SERVICE</b>	<b>58.5 hrs</b>			<b>Tue 8/29/23 1:00 PM</b>	<b>Thu 8/31/23 11:30 PM</b>								
75									Appleton crane Monnis hook replace	16 hrs			<b>Thu 8/31/23 7:30 AM</b>	<b>Thu 8/31/23 11:30 PM</b>								
76	71323745	49013110CRA001	3110-CRA-001		WH	MH			Erect scaffold to platform	2 hrs	4 Scaffold	Thu 8/31/23 7:30 AM	Thu 8/31/23 9:30 AM									
77	71323745	49013110CRA001	3110-CRA-001		WH	MH			Remove anti block device	1 hr	6 Monnis, Genie	Thu 8/31/23 9:30 AM	Thu 8/31/23 10:30 AM									
78	71323745	49013110CRA001	3110-CRA-001		WH	MH			Remove old hook for rope	5 hrs	6 Monnis	Thu 8/31/23 10:30 AM	Thu 8/31/23 3:30 PM									
79	71323745	49013110CRA001	3110-CRA-001		WH	MH			Re-install new hook to rope	5 hrs	6 Monnis	Thu 8/31/23 3:30 PM	Thu 8/31/23 8:30 PM									
80	71323745	49013110CRA001	3110-CRA-001		WH	MH			Re-install anti block device	1 hr	6 Monnis, Genie	Thu 8/31/23 8:30 PM	Thu 8/31/23 9:30 PM									
81	71323745	49013110CRA001	3110-CRA-001		WH	MH			Remove scaffold to platform	2 hrs	4 Scaffold	Thu 8/31/23 9:30 PM	Thu 8/31/23 11:30 PM									
82	71332724	49013110CRA001	3110-CRA-001			MH			Appleton swin cover protection weld repair	10 hrs	2+3 Monnis, Scaffold	Wed 8/30/23 8:00 AM	Wed 8/30/23 6:00 PM									
83	88953476	49013110CRA001	3110-CRA-001						CRA001 Inspection 12 Month SHDN	3 hrs	2 Monnis	Thu 8/31/23 7:30 AM	Thu 8/31/23 10:30 AM									
84	71585359	49013110CRA001	3110-CRA-001	HW		MH			Appleton crane west side protation wall for repair	11 hrs	3 Gobi weld, Rig	Tue 8/29/23 1:00 PM	Wed 8/30/23 12:00 AM									
85									<b>PRIMARY CRUSHER PM01</b>	<b>48.5 hrs</b>			<b>Tue 8/29/23 7:00 AM</b>	<b>Thu 8/31/23 7:30 AM</b>								
86	89397802	49013110CRU001DRVE.MOTR	3110-CRU-001-MT						Cru El 12W Off-I Main Motor Insp	9 hrs	2 E&I-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 8:00 PM									
87	88976257	49013110BLD010MCRC.MC01	3110-MCC-012						690V MCC I2Y OFF-L INS & SERVICE	5 hrs	2 E&I-1	Wed 8/30/23 7:30 AM	Wed 8/30/23 12:30 PM									
88	89449644	49013110CRU001ELEC	3110-LUS-001						Cru El 24W Off-I Speed Transmitter Insp	2 hrs	2 E&I-1	Wed 8/30/23 12:30 PM	Wed 8/30/23 2:30 PM									
89	89443755	49013110CRU001HYUT.HYP1.MOTR	3110-APU-161-MT						Cru El 24W Off-I Hydraulic Pum Mtr Insp	2 hrs	2 E&I-1	Tue 8/29/23 7:00 AM	Tue 8/29/23 9:00 AM									
90	89443756	49013110CRU001HY																				

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 31.AUG.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	12 PM	6 AM	12 PM	6 AM	12 PM	6 PM
103									Cru Mech Off-L 36W FDA Sprocket reverse	47 hrs			Tue 8/29/23 10:30 AM	Thu 8/31/23 9:30 AM							
104									1st position	2 hrs			Tue 8/29/23 10:30 AM	Tue 8/29/23 12:30 PM							
105	89021370	49013110FDA001ELEM.SPRO	3110-FDA001			MH			Cru Mech Off-L 36W FDA Sprocket reverse	2 hrs	6	Mech-2	Tue 8/29/23 10:30 AM	Tue 8/29/23 12:30 PM							
106									2st position	2.5 hrs											
107	89021370	49013110FDA001ELEM.SPRO	3110-FDA001						De-isolate & run to second position & Isolate	0.5 hrs		Ops, E&I, IO	Wed 8/30/23 6:30 PM	Wed 8/30/23 7:00 PM							
108	89021370	49013110FDA001ELEM.SPRO	3110-FDA001			MH			Cru Mech Off-L 36W FDA Sprocket reverse	2 hrs	6	Mech-2	Wed 8/30/23 7:00 PM	Wed 8/30/23 9:00 PM							
109									3st position	2.5 hrs			Thu 8/31/23 7:00 AM	Thu 8/31/23 9:30 AM							
110	89021370	49013110FDA001ELEM.SPRO	3110-FDA001			MH			De-isolate & run to third position & Isolate	0.5 hrs		Ops, E&I, IO	Thu 8/31/23 7:00 AM	Thu 8/31/23 7:30 AM							
111	89021370	49013110FDA001ELEM.SPRO	3110-FDA001			MH			Cru Mech Off-L 36W FDA Sprocket reverse	2 hrs	6	Mech-2	Thu 8/31/23 7:30 AM	Thu 8/31/23 9:30 AM							
112									<b>Mech C/O 12W OFF-L Feed Chute Liner</b>	55 hrs											
113	89407259	49013110CHU001	3110-CHU-001			MH			Remove Self cleaning magent	0.5 hrs	4	Mech-2,E&I-1	Tue 8/29/23 10:00 AM	Tue 8/29/23 10:30 AM							
114	89407259	49013110CHU001	3110-CHU-001	CS					Build scaffold of change out feed chute liner	2 hrs	4	Scaffold	Tue 8/29/23 10:30 AM	Tue 8/29/23 12:30 PM							
115	89393962	49013110CHU001	3110-CHU-001	CS					Feed Chute Liner UT Insp CM 12W Off-L	1 hr	2	CM	Tue 8/29/23 12:30 PM	Tue 8/29/23 1:30 PM							
116	89407259	49013110CHU001	3110-CHU-001	CS	HW		MH		Mech C/O 12W OFF-L Feed Chute Liner	28 hrs	6	Mech-2	Tue 8/29/23 1:30 PM	Wed 8/30/23 5:30 PM							
117	89407259	49013110CHU001	3110-CHU-001	CS		MH			Remove scaffold of change out feed chute liner	1 hr	4	Scaffold	Wed 8/30/23 5:30 PM	Wed 8/30/23 6:30 PM							
118	89407259	49013110CHU001	3110-CHU-001			MH			Re-Install Self cleaning magent	0.5 hrs	6	Mech-2,E&I-1	Wed 8/30/23 6:30 PM	Wed 8/30/23 7:00 PM							
119		49013110CHU001	3110-CHU-001			MH			Remove spile bar	2 hrs	8	Ops-2	Thu 8/31/23 3:00 PM	Thu 8/31/23 5:00 PM							
120									<b>APRON FEEDER DISCHARGE CHUTE REPAIR</b>	33 hrs											
121	89399119	49013110FDA001DICH.LINR	3110-CHU-002		WH				Build access of Discharge chute repair skirt liner	1 hr	3	Scaffold	Tue 8/29/23 10:00 AM	Tue 8/29/23 11:00 AM							
122	89399098	49013110FDA001DICH.LINR	3110-CHU-002	CS	WH	MH			Clean up discharge chute (clean out only neseccary area)	7 hrs	3	Ops-2	Tue 8/29/23 5:00 PM	Wed 8/30/23 12:00 AM							
123	89399098	49013110FDA001DICH.LINR	3110-CHU-002			MH			Disch Chute Liner Off-L CM Inspection ( before)	1 hr	2	CM	Tue 8/29/23 11:00 AM	Tue 8/29/23 12:00 PM							
124	89399098	49013110FDA001DICH.LINR	3110-CHU-002	HW	WH	MH			Worn liner/Rock BX Mech Off-L Insp	18 hrs	7	MMS-1	Wed 8/30/23 12:00 AM	Wed 8/30/23 6:00 PM							
125	89399098	49013110FDA001DICH.LINR	3110-CHU-002	CS		MH			Disch Chute Liner Off-L CM Inspection (After)	1 hr	2	CM	Wed 8/30/23 6:00 PM	Wed 8/30/23 7:00 PM							
126	89399119	49013110FDA001DICH.TRAN	3110-CHU-002	CS	WH	MH			Skirting rub/liner Mech Off-L Insp&CO	6 hrs	7	MMS-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 5:00 PM							
127	89399098	49013110FDA001DICH.TRAN	3110-CHU-002						Remove access of Discharge chute repair FDA001	0.5 hrs	3	Scaffold	Wed 8/30/23 6:00 PM	Wed 8/30/23 6:30 PM							
128	89513523	49013110FDA001INST	3110-CHU-002	CS		MH			FDA Level Sensor EI 12W Off-L Ins & Clea	1 hr	2	E&I-1	Tue 8/29/23 10:30 AM	Tue 8/29/23 11:30 AM							
129									<b>SELF CLEANING MAGNET PM's</b>	11 hrs											
130	71376823	49013110FDA001ATTA.MGNT	3110-MGT-001			MH			Fdr Self Mgt E&I New Junction box & Cable sensor install	11 hrs	2	E&I-1	Tue 8/29/23 11:30 AM	Tue 8/29/23 10:30 PM							
131									<b>APRON FEEDER FDA001 PMs</b>	50.5 hrs											
132	71644701	49013110FDA001ELEM.ROLR.RROL	3110-FDA-001	HW		MH			FDA Mech Off-L Return 6ea Roller Assembly C/O	10 hrs	3	Mech-2	Wed 8/30/23 5:30 PM	Thu 8/31/23 3:30 AM							
133	89327355	49013110FDA001ELEM.PULL	3110-FDA-001			MH			FDA Lub 24WK Off-L Tail Shaf Bea Gre C/O	2 hrs	2	Lube	Tue 8/29/23 9:00 PM	Tue 8/29/23 11:00 PM							
134	89327135	49013110FDA001ELEC	3110-FDA-001			MH			Apron Feeder Insp & Service - EI 24W Off	8 hrs	2	E&I-1	Tue 8/29/23 10:30 PM	Wed 8/30/23 6:30 AM							
135									<b>OPERATION TEAM CLEAN UP TASK AT APRON FEEDER</b>	4 hrs											
136		49013110FDA001	3110-FDA-001			MH			Cleanup FDA001 sprocket & rollers area (hand clean up)	4 hrs	8	Ops-2	Tue 8/29/23 10:00 AM	Tue 8/29/23 2:00 PM							
137									<b>Apron Feeder ACM OFF-L UT Test Ins</b>	34.5 hrs											
138	89393869	49013110FDA001	3110-FDA-001						Apron Feeder ACM 12WK OFF-L UT Test Ins	2 hrs	2	CM	Wed 8/30/23 2:00 AM	Wed 8/30/23 4:00 AM							
139	89406914	49013110FDA001	3110-FDA-001			MH			PC Mech 12W Apron Feeder Mech Off-L Insp	3 hrs	2	Mech-2	Thu 8/31/23 9:30 AM	Thu 8/31/23 12:30 PM							
140									<b>CONVEYING SYSTEM</b>	70 hrs											
141									<b>CVB-011 PRI/CRUSHER CRUSHER DISCHARGE CONVEYOR</b>	61 hrs											
142									Get permit and start up job	0.5 hrs											
143									<b>Discharge chute repair and Skirt liner change out</b>	51.5 hrs											
144	89399117	49013120CVB011ATTA.CHUT.DICH	3120-CHU-134				MH		Remove cover of transfer chute	0.5 hrs	7	MMS-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 11:30 AM							
145	89413700	49013120CVB011ATTA. CHUT.DICH	3120-CHU-134	CS		MH			Buid inside the scaffold for Cleaning	1 hr	3	Scaffold	Tue 8/29/23 10:00 AM	Tue 8/2							

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 31.AUG.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29	12 AM	6 AM	12 PM	6 PM	Wed Aug 30	12 AM	6 AM	12 PM	6 PM				
155	71472992	49013120CVB011DRV.E.GBOX.GBXB	3120-CVB-011				MH		CVB011 MECH OFF-L DRIVE GEARBOX B REPLACE	16 hrs	6	Mech-3, Rig	Tue 8/29/23 12:00 PM	Wed 8/30/23 4:00 AM														
156	71472992	49013120CVB011DRV.E.GBOX.GBXB	3120-CVB-011						CVB011 MECH OFF-L DRIVE GEARBOX B ALIGNMENT	6 hrs	6	Mech-3	Wed 8/30/23 4:00 AM	Wed 8/30/23 10:00 AM														
157	89553725	49013120CVB011FDCB	3120-CVB-011						CVB011 FLCPL 2Y Oil C/O Lube B	4 hrs	2	Lube	Wed 8/30/23 12:00 AM	Wed 8/30/23 4:00 AM														
158	71472992	49013120CVB011DRV.E.GBOX.GBXB	3120-CVB-011						Re-connect electrical cable	1 hr	2	E&I-2	Wed 8/30/23 5:00 AM	Wed 8/30/23 6:00 AM														
159	89553724	49013120CVB011FDCA	3120-CVB-011						CVB011 FLCPL 2Y Oil C/O Lube A	4 hrs	2	Lube	Wed 8/30/23 4:00 AM	Wed 8/30/23 8:00 AM														
160									<b>CVB-011 DISCHARGE CONVEYOR OFFLINE PMs</b>	<b>57 hrs</b>			<b>Tue 8/29/23 11:00 AM</b>	<b>Thu 8/31/23 8:00 PM</b>														
161	89390438	49013120CVB011ELEM.PULL	3120-CVB-011						CVB Mech 12W Off-L Pulley Shaft Vis Insp	5 hrs	3	Mech-2	Thu 8/31/23 12:30 PM	Thu 8/31/23 5:30 PM														
162	89236028	49013120CVB011ELEC	3120-CVB-011						CVB011 Pullcord Insp 52W Off-L Elec	8 hrs	2	E&I-2	Tue 8/29/23 12:00 PM	Tue 8/29/23 8:00 PM														
163	89467229	49013120CVB011ELEC	3120-CVB-011	HW			MH		CVB011 Instr PM 24W Off-L Elec	4 hrs	2	E&I-2	Tue 8/29/23 8:00 PM	Wed 8/30/23 12:00 AM														
164	89334161	49013120CVB011ATTA.TAUA	3120-CVB-011						Overland Cvb Winch E&I 24W Off-L Insp	2 hrs	2	E&I-2	Wed 8/30/23 12:00 AM	Wed 8/30/23 2:00 AM														
165	71450859	49013120CVB011DRV.E.GBOX.GBXA	3120-CVB-011						CVB011 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Wed 8/30/23 6:00 AM	Wed 8/30/23 10:00 AM														
166	71450858	49013120CVB011DRV.E.GBOX.GBXB	3120-CVB-011						CVB011 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Wed 8/30/23 6:00 AM	Wed 8/30/23 10:00 AM														
167	71634726	49013120CVB011ATTA.WEIG	3120-CVB-011						CVB011 E&I Off-L Weightometer calibration	3 hrs	2	E&I-2	Wed 8/30/23 2:00 AM	Wed 8/30/23 5:00 AM														
168	89393803	49013120CVB011ELEM.BELT	3120-CVB-011						CVB011 Belt UT 12W Off-L PDM	1 hr	2	CM	Wed 8/30/23 4:00 AM	Wed 8/30/23 5:00 AM														
169	89393870	49013120CVB011ELEM.PULL	3120-CVB-011						CVB011 Pulley Lagging Insp 12W Off-L PDM	1 hr	2	CM	Wed 8/30/23 5:00 AM	Wed 8/30/23 6:00 AM														
170	89390164	49013120CVB011ELEM.SCRA	3120-CVB-011	CS			MH		Vplough,Pri&Sec scappers Off Insp&C/O	5 hrs	7	MMS-1	Thu 8/31/23 10:00 AM	Thu 8/31/23 3:00 PM														
171	89413696	49013120CVB011ELEM.TFAI	3120-CVB-011				MH		Over/Conv rollers Off-L Insp & C.O /If need build scaffold/	5 hrs	7	MMS-1 ,Scaffold	Thu 8/31/23 3:00 PM	Thu 8/31/23 8:00 PM														
172	89249970	49013120CVB011ATTA	3120-CVB-011						CVB011 Winch Wire Rope 1Y Off-L NDT SHDN	4 hrs	3	Monnis	Tue 8/29/23 11:00 AM	Tue 8/29/23 3:00 PM														
173	110017099	49013120CVB011ATTA	3120-CVB-011				MH		CVB011 Winch 24W Off-L INSP/Lube SHDN	4 hrs	3	Monnis	Tue 8/29/23 11:00 AM	Tue 8/29/23 3:00 PM														
174	89371137	49013120CVB011ATTA.TAUA	3120-CVB-011				MH		Take Up Winch Lube 52W Off-L Oil SHDN	4 hrs	3	Monnis	Tue 8/29/23 11:00 AM	Tue 8/29/23 3:00 PM														
175									<b>OPERATION TEAM CLEAN UP TASK AT CVB011</b>	<b>20.5 hrs</b>			<b>Tue 8/29/23 7:00 AM</b>	<b>Wed 8/30/23 3:30 AM</b>														
176		49013120CVB011	3120-CVB-011				MH		Cleanup CVB011 belts scale area	0.5 hrs	3	Ops-3	Tue 8/29/23 11:00 AM	Tue 8/29/23 11:30 AM														
177		49013120CVB011	3120-CVB-011				MH		Cleanup leakage at tunnel under rollers CVB011	4 hrs	2	Ops-3	Tue 8/29/23 11:30 AM	Tue 8/29/23 3:30 PM														
178		49013120CVB011	3120-CVB-011						Clean up dirts between CVB011& CVB001 Cable tray	6 hrs	3	Ops-3	Tue 8/29/23 3:30 PM	Tue 8/29/23 9:30 PM														
179		49013120CVB011	3120-CVB-011				MH		Cleanup dirts at tunnel CVB011 by Bobcat	6 hrs	1+1	Ops-3	Tue 8/29/23 9:30 PM	Wed 8/30/23 3:30 AM														
180		49013120CVB011	3120-CVB-011						Vacuum CVB001 tail pulley side and under CVB011 discharge and transfer chute	3 hrs	3	Ops-RT-114	Tue 8/29/23 10:00 AM	Tue 8/29/23 1:00 PM														
181		49013120CVB011	3120-CVB-011				MH		Vacuum dirt inside yellow fence CVB011 C/Weight by VC	4 hrs	3	Ops-RT-115	Tue 8/29/23 7:00 AM	Tue 8/29/23 11:00 AM														
182									<b>CVB-001 PRI/CRUSHER OVERLAND CONVEYOR</b>	<b>64 hrs</b>			<b>Tue 8/29/23 12:00 PM</b>	<b>Fri 9/1/23 4:00 AM</b>														
183									Get permit and start up job	0.5 hrs																		
184									<b>Discharge chute repair and Skirt liner change out</b>	<b>36.5 hrs</b>			<b>Tue 8/29/23 12:00 PM</b>	<b>Thu 8/31/23 12:30 AM</b>														
185	89399118	49013120CVB001ATTA.CHUT.TRAN	3120-CHU-063					MH	Remove cover of transfer chute	0.5 hrs	8	MMS-2	Tue 8/29/23 1:30 PM	Tue 8/29/23 2:00 PM														
186	89413699	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003	CS				MH	Buid inside the scaffold for Cleaning	0.5 hrs	3	Scaffold	Tue 8/29/23 6:00 PM	Tue 8/29/23 6:30 PM														
187	89413699	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003	CS				MH	Clean up discharge chute (Remove all dirt from chute)	10 hrs	3	Ops-2	Tue 8/29/23 6:30 PM	Wed 8/30/23 4:30 AM														
188	89413699	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003	CS				MH	Chu Cm Off-L UT Insp Discharge Lnr (before)	0.5 hrs	2	CM	Wed 8/30/23 4:30 AM	Wed 8/30/23 5:00 AM														
189	89413699	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003	CS	HW			MH	Worn liner/Rock BX Mech Off-L Insp&CO	18 hrs																		

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 31.AUG.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	12 PM	6 AM	12 PM	Wed Aug 30 12 AM	6 AM	12 PM	6 PM		
206									Remove scaffold of discharge chute liner inspection	51 hrs			Tue 8/29/23 3:00 PM	Thu 8/31/23 6:00 PM										
207	89410751	49013120CVB001DRVE.CPLG	3120-CVB-001						CVB Fluid Coupling Mech 12W Off-L Mech	3 hrs	3	Mech-3	Thu 8/31/23 10:00 AM	Thu 8/31/23 1:00 PM										
208	89390437	49013120CVB001ELEM.PULL	3120-CVB-001						CVB Mech 12W Off-L Pulley Shaft Vis Insp	3 hrs	3	Mech-3	Thu 8/31/23 1:00 PM	Thu 8/31/23 4:00 PM										
209	89154546	49013120CVB001ELEC	3120-CVB-001						CVB001 Drive PM 24W Off-L Elec	10 hrs	2	E&I-2	Wed 8/30/23 10:00 AM	Wed 8/30/23 8:00 PM										
210	89236019	49013120CVB001ELEC	3120-CVB-001						CVB001 Pullcord Insp 52W Off-L Elec	11 hrs	4	E&I-2	Wed 8/30/23 8:00 PM	Thu 8/31/23 7:00 AM										
211	89334162	49013120CVB001ATTA.TAUA	3120-CVB-001						Overland Cvb Winch E&I 24W Off-L Insp	2 hrs	2	E&I-2	Thu 8/31/23 7:00 AM	Thu 8/31/23 9:00 AM										
212	89395373	49013120CVB001ATTA.WEIG	3120-CVB-001						Cvb Belt Scale EI 52W Off-L Clean Insp	2 hrs	2	E&I-2	Thu 8/31/23 9:00 AM	Thu 8/31/23 11:00 AM										
213	89449646	49013120CVB001ELEC	3120-CVB-001						CVB001 Instr PM 24W Off-L Elec	6 hrs	2	E&I-2	Thu 8/31/23 11:00 AM	Thu 8/31/23 5:00 PM										
214	89393871	49013120CVB001ELEM.PULL	3120-CVB-001						CVB001 Pulley Lagging Insp 12W Off-L PDM	1 hr	2	CM	Wed 8/30/23 6:00 AM	Wed 8/30/23 7:00 AM										
215	89393804	49013120CVB001ELEM.BELT	3120-CVB-001						CVB001 Belt UT 12W Off-L PDM	1 hr	2	CM	Wed 8/30/23 7:00 AM	Wed 8/30/23 8:00 AM										
216	89399276	49013120CVB001ATTA.IMBE	3120-CVB-001	MH					CM Slider Bar measure	1 hr	2	CM	Wed 8/30/23 8:00 AM	Wed 8/30/23 9:00 AM										
217	89399276	49013120CVB001ATTA.IMBE	3120-CVB-001	MH					CVB001 Impact Bed Slider 12W Mech SERV	3 hrs	6	MMS-3	Tue 8/29/23 5:00 PM	Tue 8/29/23 8:00 PM										
218	89399277	49013120CVB001ATTA.IMBE	3120-CVB-001	MH					CVB001 Impact Bed Scale Roller 12W SERV	4 hrs	6	MMS-3	Tue 8/29/23 8:00 PM	Wed 8/30/23 12:00 AM										
219	89390165	49013120CVB001ELEM.SCRA	3120-CVB-001	MH					CVB001 Vploug&Scra Insp/Repl 12W Off MMS	5 hrs	6	MMS-3	Wed 8/30/23 12:00 AM	Wed 8/30/23 5:00 AM										
220	89413694	49013120CVB001ELEM.TFAI	3120-CVB-001	MH					Over/Conv rollers Off-L Insp & C.O /If need build scaffold/	3 hrs	6	MMS-3, Scaffold	Wed 8/30/23 5:00 AM	Wed 8/30/23 8:00 AM										
221	89270001	49013120CVB001DRVE.GBOX.GBXA	3120-CVB-001						Lube 1Y Off-L Grease Grid Coupling A C/O	0.5 hrs	2+4	Lube, Mech-3	Thu 8/31/23 4:00 PM	Thu 8/31/23 4:30 PM										
222	89270002	49013120CVB001DRVE.GBOX.GBXB	3120-CVB-001						Lube 1Y Off-L Grease Grid Coupling B C/O	0.5 hrs	2+4	Lube, Mech-3	Thu 8/31/23 4:30 PM	Thu 8/31/23 5:00 PM										
223	89385870	49013120CVB001DRVE.GBOX.GBXC	3120-CVB-001						Lube 1Y Off-L Grease Grid Coupling C C/O	0.5 hrs	2+4	Lube, Mech-3	Thu 8/31/23 5:00 PM	Thu 8/31/23 5:30 PM										
224	89385872	49013120CVB001DRVE.GBOX.GBXD	3120-CVB-001						Lube 1Y Off-L Grease Grid Coupling D C/O	0.5 hrs	2+4	Lube, Mech-3	Thu 8/31/23 5:30 PM	Thu 8/31/23 6:00 PM										
225	89553739	49013120CVB001FDCA	3120-CVB-001						CVB001 FLCPL 2Y Oil C/O Lube A	4 hrs	2	Lube	Tue 8/29/23 11:00 PM	Wed 8/30/23 3:00 AM										
226	89553740	49013120CVB001FDCB	3120-CVB-001						CVB001 FLCPL 2Y Oil C/O Lube B	4 hrs	2	Lube	Wed 8/30/23 3:00 AM	Wed 8/30/23 7:00 AM										
227	89553741	49013120CVB001FDCC	3120-CVB-001						CVB001 FLCPL 2Y Oil C/O Lube C	4 hrs	2	Lube	Wed 8/30/23 7:00 AM	Wed 8/30/23 11:00 AM										
228	89553742	49013120CVB001FDCD	3120-CVB-001						CVB001 FLCPL 2Y Oil C/O Lube D	4 hrs	2	Lube	Wed 8/30/23 11:00 AM	Wed 8/30/23 3:00 PM										
229	110017096	49013120CVB001ATTA	3120-CVB-001	MH					CVB001 Winch 24W Off-L INSPI/Lube SHDN	4 hrs	3	Monnis	Tue 8/29/23 3:00 PM	Tue 8/29/23 7:00 PM										
230	89371138	49013120CVB001ATTA.TAUA	3120-CVB-001	MH					Take Up Winch Lube 52W Off-L Oil SHDN	4 hrs	3	Monnis	Tue 8/29/23 7:00 PM	Tue 8/29/23 11:00 PM										
231									<b>CVB-001 CONVEYOR OFFLINE PM02</b>	37 hrs				<b>Wed 8/30/23 3:00 PM</b>	<b>Fri 9/1/23 4:00 AM</b>									
232	71634724	49013120CVB001ATTA.WEIG	3120-CVB-001						CVB001 E&I Off-L Weightometer calibration	3 hrs	2	E&I-2	Thu 8/31/23 5:00 PM	Thu 8/31/23 8:00 PM										
233	71616662	49013120CVB001DRVE.GBOX.GBXD	3120-CVB-001						CVB001 E&I Off-L Pulley TI sensor location change	4 hrs	2	E&I-2	Thu 8/31/23 8:00 PM	Fri 9/1/23 12:00 AM										
234	71456018	49013120CVB001DRVE.GBOX.GBXA	3120-CVB-001						CVB001 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Fri 9/1/23 12:00 AM	Fri 9/1/23 4:00 AM										
235	71456015	49013120CVB001DRVE.GBOX.GBXB	3120-CVB-001						CVB001 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Fri 9/1/23 12:00 AM	Fri 9/1/23 4:00 AM										
236	71456016	49013120CVB001DRVE.GBOX.GBXC	3120-CVB-001						CVB001 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Fri 9/1/23 12:00 AM	Fri 9/1/23 4:00 AM										
237	71456017	49013120CVB001DRVE.GBOX.GBXD	3120-CVB-001						CVB001 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Fri 9/1/23 12:00 AM	Fri 9/1/23 4:00 AM										
238	71612487	49013120CVB001DRVE.GBOX.GBXA	3120-CVB-001						CVB001 Lube Off-L Gearbox A Oil C/O	4 hrs	2	Lube	Wed 8/30/23 3:00 PM	Wed 8/30/23 7:00 PM										
239	71612486	49013120CVB001DRVE.GBOX.GBXC	3120-CVB-001						CVB001 Lube Off-L Gearbox C Oil C/O	4 hrs	2	Lube	Wed 8/30/23 7:00 PM	Wed 8/30/23 11:00 PM										
240	71612485	49013120CVB001DRVE.GBOX.GBXD	3120-CVB-001						CVB001 Lube Off-L Gearbox D Oil C/O	4 hrs	2	Lube	Wed 8/30/23 11:00 PM	Thu 8/31/23 3:00 AM										
241									<b>OPERATION TEAM CLEAN UP TASK AT CVB001</b>	9 hrs				<b>Wed 8/30/23 4:30 AM</b>	<									

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 31.AUG.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	12 PM	6 PM	Wed Aug 30 12 AM	6 AM	12 PM	6 PM
258	89553728	49013120CVB002FDCC	3120-CVB-002				MH		Remove cover	0.5 hrs	2	Rig	Tue 8/29/23 12:00 PM	Tue 8/29/23 12:30 PM							
259	89553728	49013120CVB002FDCC	3120-CVB-002				MH		CVB002 FLCPL 2Y Oil C/O Lube C	3 hrs	2	Lube	Tue 8/29/23 10:30 PM	Wed 8/30/23 1:30 AM							
260	71487291	49013120CVB002DRVE.MOTR.MTRC	3120-CVB-002				MH		Lube Off-L Flywheel C bearing hose C/O	1 hr	2	Lube	Wed 8/30/23 1:30 AM	Wed 8/30/23 2:30 AM							
261	89553728	49013120CVB002FDCC	3120-CVB-002				MH		Re-install cover	0.5 hrs	2	Rig	Wed 8/30/23 2:30 AM	Wed 8/30/23 3:00 AM							
262									<b>TRIPPER CAR CHANGE DISCHARGE CHUTE REPAIR</b>	<b>22.5 hrs</b>					<b>Thu 8/31/23 4:00 AM</b>			<b>Fri 9/1/23 2:30 AM</b>			
263		49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004	CS			MH		Clean up discharge chute	10 hrs	3	Ops-4	Thu 8/31/23 4:00 AM	Thu 8/31/23 2:00 PM							
264	89413701	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004	CS			MH		Chu Cm 12W Off-L UT Insp Discharge Lnr (before)	0.5 hrs	2	CM	Thu 8/31/23 1:30 PM	Thu 8/31/23 2:00 PM							
265	89413701	49013120CVB002ATTA.CHUT.DICH	3120-CHU-004	CS	HW	WH	MH	FO	Worn liner/Rock BX Mech 12W Off-L Insp	12 hrs	8	MMS-2	Thu 8/31/23 2:00 PM	Fri 9/1/23 2:00 AM							
266	89413701	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004	CS			MH		Chu Cm 12W Off-L Dsch Liner Visual Insp(After)	0.5 hrs	2	CM	Fri 9/1/23 2:00 AM	Fri 9/1/23 2:30 AM							
267									<b>CHANGE OUT WEST TROUSER CHUTE</b>	<b>52 hrs</b>					<b>Tue 8/29/23 11:00 AM</b>		<b>Thu 8/31/23 3:00 PM</b>				
268									<b>CVB002 Trous/Chut-West C/O 12W Off-L MMS</b>	<b>52 hrs</b>					<b>Tue 8/29/23 11:00 AM</b>		<b>Thu 8/31/23 3:00 PM</b>				
269	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004		WH	MH			Build scaffold outside chute	1 hr	4	Scaffold	Tue 8/29/23 11:00 AM	Tue 8/29/23 12:00 PM							
270	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004	HW	WH		FO		Remove flange bolts of west trouser chute	2 hrs	8	MMS-2	Tue 8/29/23 7:00 PM	Tue 8/29/23 9:00 PM							
271	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004						Remove scaffold outside chute	1 hr	4	Scaffold	Tue 8/29/23 9:00 PM	Tue 8/29/23 10:00 PM							
272	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004		WH		FO		Remove old trouser chute on floor	2 hrs	8	MMS-2	Tue 8/29/23 10:00 PM	Wed 8/30/23 12:00 AM							
273	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004				FO		Rig new trouser chute	2 hrs	8	MMS-2	Wed 8/30/23 12:00 AM	Wed 8/30/23 2:00 AM							
274	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004						Build scaffold outside chute for installing chute	1 hr	4	Scaffold	Wed 8/30/23 2:00 AM	Wed 8/30/23 3:00 AM							
275	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004		WH	MH	FO		Install west side trouser chute	2 hrs	8	MMS-2	<b>Wed 8/30/23 3:00 AM</b>	<b>Wed 8/30/23 5:00 AM</b>							
276	89393910	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004	CS	HW	WH	MH	FO	CVB002 MMS 12W Off-L Trouser Chute East side repair	15 hrs	8	MMS-2	Wed 8/30/23 11:00 PM	Thu 8/31/23 2:00 PM							
277	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004						Remove scaffold outside chute	1 hr	4	Scaffold	Thu 8/31/23 2:00 PM	Thu 8/31/23 3:00 PM							
278									<b>CVB-002 STOCKPILE FEED CONVEYOR OFFLINE PM s</b>	<b>61 hrs</b>					<b>Tue 8/29/23 11:00 AM</b>		<b>Fri 9/1/23 12:00 AM</b>				
279	89390439	49013120CVB002ELEM.PULL	3120-CVB-002						CVB Mech 12W Off-L Pulley Shaft Vis Insp	6 hrs	3	Mech-3	Thu 8/31/23 6:00 PM	Fri 9/1/23 12:00 AM							
280	89393802	49013120CVB002ELEM.BELT	3120-CVB-002				MH		CVB002 Belt UT 12W Off-L PDM	1 hr	2	CM	Wed 8/30/23 9:00 AM	Wed 8/30/23 10:00 AM							
281	89393872	49013120CVB002ELEM.PULL	3120-CVB-002				MH		CVB002 Pulley Insp 12W Off-L PDM	1 hr	2	CM	Wed 8/30/23 10:00 AM	Wed 8/30/23 11:00 AM							
282	89390186	49013120CVB002ELEM.SCRA	3120-CVB-002	CS	WH	MH			Vplough,Pri&Sec scappers Off Insp&C/O	3 hrs	6	MMS-3	Wed 8/30/23 8:00 AM	Wed 8/30/23 11:00 AM							
283	89413695	49013120CVB002ELEM.TFAI	3120-CVB-002		WH	MH			Over/Conv rollers Off-L Insp & C.O /if need build scaffold/	6 hrs	6	MMS-3, Scaffold	Wed 8/30/23 11:00 AM	Wed 8/30/23 5:00 PM							
284	88888126	49013120SUB001SWG1	3120-SWG-201						<b>6.3kV Vacuum Circ Breaker El Off-L Service</b>	6 hrs	2	E&I-3	<b>Wed 8/30/23 7:30 AM</b>	<b>Wed 8/30/23 1:30 PM</b>							
285	89334163	49013120CVB002ATTA.TAUA	3120-CVB-002						Overland Cvb Winch E&I 24W Off-L Insp	2 hrs	2	E&I-3	Wed 8/30/23 1:30 PM	Wed 8/30/23 3:30 PM							
286	89463825	49013120CVB002ELEC	3120-CVB-002						CVB002 Drive PM 24W Off-L Elec	10 hrs	2	E&I-3	Tue 8/29/23 2:30 PM	Wed 8/30/23 12:30 AM							
287	89236027	49013120CVB002ELEC	3120-CVB-002						CVB002 Pullcord Insp 52W Off-L Elec	6 hrs	2	E&I-3	Wed 8/30/23 12:30 AM	Wed 8/30/23 6:30 AM							
288	71456180	49013120CVB002DRVE.GBOX.GBXA	3120-CVB-002						CVB002 E&I Off-L Check the schematic diagram	3 hrs	2	E&I-3	Wed 8/30/23 3:30 PM	Wed 8/30/23 6:30 PM							
289	71456181	49013120CVB002DRVE.GBOX.GBXB	3120-CVB-002						CVB002 E&I Off-L Check the schematic diagram	3 hrs	2	E&I-3	Wed 8/30/23 3:30 PM	Wed 8/30/23 6:30 PM							
290	71451220	49013120CVB002DRVE.GBOX.GBCX	3120-CVB-002						CVB002 E&I Off-L Check the schematic diagram	3 hrs	2	E&I-3	Wed 8/30/23 6:30 PM	Wed 8/30/23 9:30 PM							
291	71634382	49013120CVB002ELEC	3120-CVB-002						CVB002 Pullcord Off-L Elec cord fix	7 hrs	2	E&I-3	Wed 8/30/23 12:30 AM	Wed 8/30/23 7:30 AM							
292	71596349	49013120CVB002DRVE.MOTR	3120-CVB-002						CVB002 Motor Off-L Elec deviation sensor cable repair	6 hrs	2	E&I-3	Wed 8/30/23 9:30 PM	Thu 8/31/23 3:30 AM							
293	71349852	49013120BLD200UNPR	3120-CVB-002						Repair LHD-002_SHDN	8 hrs	2	Tavan-ord	Tue 8/29/23 11:00 AM	Tue 8/29/23 7:00 PM							
294	89249969	49013120CVB002ATTA	3120-CVB-002						CVB002 Winch Wire Rope 1Y Off-L NDT SHDN	4 hrs	3	Monnis	Tue 8/29/23 11:00 PM	Wed 8/30/23 3:00 AM							
295	110000895	49013120CVB002ATTA	3120-CVB-002						CVB002 Winch 24W Off-L INSP/Lube SHDN	4 hrs	3	Mon									

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 31.AUG.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29	12 AM	6 AM	12 PM	6 PM	Wed Aug 30	12 AM	6 AM	12 PM	6 PM			
310	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install rock cage CL Truss supports	10 hrs	4	Project-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 9:00 PM													
311	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install angle bracings from upright support to wway	8 hrs	4	Project-1	Tue 8/29/23 9:00 PM	Wed 8/30/23 5:00 AM													
312	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install west side rock cages	11 hrs	4	Project-1	Wed 8/30/23 5:00 AM	Wed 8/30/23 4:00 PM													
313	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install angle bracing	11 hrs	4	Project-1	Wed 8/30/23 4:00 PM	Thu 8/31/23 3:00 AM													
314	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install lever hoist supports	11 hrs	4	Project-1	Thu 8/31/23 3:00 AM	Thu 8/31/23 2:00 PM													
315	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Complete rock mesh installation	11 hrs	4	Project-1	Thu 8/31/23 2:00 PM	Fri 9/1/23 1:00 AM													
316	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Remove rigging gear, remaining scaffold, make safe	11 hrs	4	Project-1	Thu 8/31/23 2:00 PM	Fri 9/1/23 1:00 AM													
317									<b>CVB002 Truss G15/002 holes for rock cage</b>	<b>63 hrs</b>			<b>Tue 8/29/23 11:00 AM</b>	<b>Fri 9/1/23 2:00 AM</b>													
318	CW2148470	49013120-CVB-002	3120-CVB-002		WH	MH			Set up drop zone and remove netting	3 hrs	4	Project-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 2:00 PM													
319	UG NBK Contract	49013120-CVB-002	3120-CVB-002		WH				Erect scaffold southern section of truss	7 hrs	4	Project-1	Tue 8/29/23 2:00 PM	Tue 8/29/23 9:00 PM													
320	CW2148470	49013120-CVB-002	3120-CVB-002	HW	WH	MH			Drill holes in CL of truss, southern section	9 hrs	4	Project-1	Tue 8/29/23 9:00 PM	Wed 8/30/23 6:00 AM													
321	CW2148470	49013120-CVB-002	3120-CVB-002	WH					Erect scaffold northern section of truss	6 hrs	4	Project-1	Wed 8/30/23 6:00 AM	Wed 8/30/23 12:00 PM													
322	CW2148470	49013120-CVB-002	3120-CVB-002	HW	WH	MH			Drill holes in CL of truss, northern section	11 hrs	4	Project-1	Wed 8/30/23 12:00 PM	Wed 8/30/23 11:00 PM													
323	CW2148470	49013120-CVB-002	3120-CVB-002	HW	WH	MH			Drill holes under eastern walkway	11 hrs	4	Project-1	Wed 8/30/23 11:00 PM	Thu 8/31/23 10:00 AM													
324	UG NBK Contract	49013120-CVB-002	3120-CVB-002	WH					Remove scaffold	11 hrs	4	Project-1	Thu 8/31/23 4:00 AM	Thu 8/31/23 3:00 PM													
325	CW2148470	49013120-CVB-002	3120-CVB-002	WH					Install rock cage CL Truss supports	11 hrs	4	Project-1	Thu 8/31/23 3:00 PM	Fri 9/1/23 2:00 AM													
326									<b>COS INSTALL RAFTERS AT GRIDLINES 'K - J1' &amp; 'H - G'</b>	<b>64 hrs</b>			<b>Tue 8/29/23 11:00 AM</b>	<b>Fri 9/1/23 3:00 AM</b>													
327									<b>Gridline K</b>	<b>53 hrs</b>			<b>Tue 8/29/23 11:00 AM</b>	<b>Thu 8/31/23 4:00 PM</b>													
328	UG NBK Contract	3120-CVB-002	3120-CVB-002	WH	MH				Erect scaffold for roof stiffener gridline	10 hrs	4	Pro-Nbik	Tue 8/29/23 11:00 AM	Tue 8/29/23 9:00 PM													
329	CW2148470	3120-CVB-002	3120-CVB-002	WH	FO				Set up welding encapsulations	1 hr	4	Project-2	Wed 8/30/23 6:00 AM	Wed 8/30/23 7:00 AM													
330	CW2148470	3120-CVB-002	3120-CVB-002	WH	FO				Measure and install rafter	1 hr	4	Project-2	Wed 8/30/23 7:00 AM	Wed 8/30/23 8:00 AM													
331	CW2148470	3120-CVB-002	3120-CVB-002	HW	WH	MH	FO		Weld Rafter	3 hrs	4	Project-2	Wed 8/30/23 8:00 AM	Wed 8/30/23 11:00 AM													
332	CW2148470	3120-CVB-002	3120-CVB-002	WH					Conduct QA/QC	1 hr	4	Project-2	Wed 8/30/23 11:00 AM	Wed 8/30/23 12:00 PM													
333	CW2148470	3120-CVB-002	3120-CVB-002	WH	FO				Conduct Painting	2 hrs	4	Project-2	Wed 8/30/23 12:00 PM	Wed 8/30/23 2:00 PM													
334	CW2148470	3120-CVB-002	3120-CVB-002	WH	FO				Remove all equipment	2 hrs	4	Project-2	Wed 8/30/23 2:00 PM	Wed 8/30/23 4:00 PM													
335	UG NBK Contract	3120-CVB-002	3120-CVB-002	WH	MH				Remove scaffold for roof stiffener gridline	10 hrs	4	Pro-Nbik	Thu 8/31/23 6:00 AM	Thu 8/31/23 4:00 PM													
336									<b>Gridline J1</b>	<b>53 hrs</b>			<b>Tue 8/29/23 11:00 AM</b>	<b>Thu 8/31/23 4:00 PM</b>													
337	UG NBK Contract	3120-CVB-002	3120-CVB-002	WH	MH				Erect scaffold for roof stiffener gridline	10 hrs	4	Pro-Nbik	Tue 8/29/23 11:00 AM	Tue 8/29/23 9:00 PM													
338	CW2148470	3120-CVB-002	3120-CVB-002	WH	FO				Set up welding encapsulations	1 hr	4	Project-3	Wed 8/30/23 6:00 AM	Wed 8/30/23 7:00 AM													
339	CW2148470	3120-CVB-002	3120-CVB-002	WH	FO				Measure and install rafter	1 hr	4	Project-3	Wed 8/30/23 7:00 AM	Wed 8/30/23 8:00 AM													
340	CW2148470	3120-CVB-002	3120-CVB-002	HW	WH	MH	FO		Weld Rafter	3 hrs	4	Project-3	Wed 8/30/23 8:00 AM	Wed 8/30/23 11:00 AM													
341	CW2148470	3120-CVB-002	3120-CVB-002	WH					Conduct QA/QC	1 hr	4	Project-3	Wed 8/30/23 11:00 AM	Wed 8/30/23 12:00 PM													
342	CW2148470	3120-CVB-002	3120-CVB-002	WH	FO				Conduct Painting	2 hrs	4	Project-3	Wed 8/30/23 12:00 PM	Wed 8/30/23 2:00 PM													
343	CW2148470	3120-CVB-002	3120-CVB-002	WH	FO				Remove all equipment	2 hrs	4	Project-3	Wed 8/30/23 2:00 PM	Wed 8/30/23 4:00 PM													
344	UG NBK Contract	3120-CVB-002	3120-CVB-002	WH	MH				Remove scaffold for roof stiffener gridline	10 hrs	4	Pro-Nbik	Thu 8/31/23 6:00 AM	Thu 8/31/23 4:00 PM													
345									<b>Gridline H</b>	<b>44 hrs</b>			<b>Wed 8/30/23 7:00 AM</b>	<b>Fri 9/1/23 3:00 AM</b>													
346	UG NBK Contract	3120-CVB-002	312																								

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 31.AUG.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	12 PM	Wed Aug 30 6 AM	12 AM	6 AM	12 PM	6 PM						
362	UG NBIK Contract	3120-CVB-002	3120-CVB-002		WH	MH			Remove scaffold for roof stiffener gridline	10 hrs	4	Pro-Nbik	Thu 8/31/23 5:00 PM	Fri 9/1/23 3:00 AM													
363									Gridline N Replace bolts	30 hrs				Wed 8/30/23 7:00 AM	Thu 8/31/23 1:00 PM												
364	CW2148470	3120-CVB-002	3120-CVB-002						Locate tripper on gridline N	3 hrs	4	Project-3	Wed 8/30/23 7:00 AM	Wed 8/30/23 10:00 AM													
365	CW2148470	3120-CVB-002	3120-CVB-002				FO		Remove and install fabricated 'T' sections x 2	6 hrs	4	Project-3	Wed 8/30/23 10:00 AM	Wed 8/30/23 4:00 PM													
366	CW2148470	3120-CVB-002	3120-CVB-002				FO		Remove and install fabricated 'T' sections x 2	6 hrs	4	Project-3	Thu 8/31/23 7:00 AM	Thu 8/31/23 1:00 PM													
367									OPERATION TEAM CLEAN UP TASK AT CVB002	66 hrs				Tue 8/29/23 11:00 AM	Fri 9/1/23 5:00 AM												
368		49013120CVB002	3120-TRC-001			MH			Cleanup from tail & to head pulley area clean dirts under rollers	7 hrs	3	Ops-4	Wed 8/30/23 9:00 PM	Thu 8/31/23 4:00 AM													
369		49013120CVB002	3120-CVB-002			MH			Cleanup TRC rail and inside the mesh	9 hrs	3	Ops-4	Thu 8/31/23 2:00 PM	Thu 8/31/23 11:00 PM													
370		49013120CVB002	3120-CVB-002			MH			Cleanup Tripper car railway to protect zero switch sensor	2 hrs	3	Ops-4	Thu 8/31/23 11:00 PM	Fri 9/1/23 1:00 AM													
371		49013120CVB002	3120-CVB-002			MH			Vacuum up motor areas and under the CounterWeight area	6 hrs	3	Ops-RT-115	Wed 8/30/23 7:00 AM	Wed 8/30/23 1:00 PM													
372				CS		FO			CLEAN UP OR THROAT LINER C/O FDA003, 006	66 hrs	3	Dozer	Tue 8/29/23 11:00 AM	Fri 9/1/23 5:00 AM													
373									DE-ISOLATION AND HAND OVER	36 hrs				Thu 8/31/23 5:00 PM	Sat 9/2/23 5:00 AM												
374									Verify and Reset all safety device	4 hrs	4	Ops-1	Fri 9/1/23 2:00 AM	Fri 9/1/23 6:00 AM													
375		49013110CRU001	3110-CRU-001						IO Walkdown for Hand over & Deisolation of PC	0.5 hrs	4	IO,E/I,Ops,Mech-1	Thu 8/31/23 11:30 PM	Fri 9/1/23 12:00 AM													
376		49013110FDA001	3110-FDA-001						IO Walkdown for Hand over & Deisolation Apron feeder	0.5 hrs	4	IO,E/I,Ops,Mech-2	Thu 8/31/23 5:00 PM	Thu 8/31/23 5:30 PM													
377		49013110FDA001	3110-FDA-001						De-isolate nuclear sensor and Remove spile bar	1.5 hrs	8	Ops	Thu 8/31/23 5:00 PM	Thu 8/31/23 6:30 PM													
378		49013120CVB011	3120-CVB-011						IO Walkdown for Hand over& Deisolation of CVB011	1 hr	4	IO,E/I,Ops,Mech-3	Thu 8/31/23 8:00 PM	Thu 8/31/23 9:00 PM													
379		49013120CVB011	3120-CVB-011						Run test calibration metal detector CVB011	2 hrs	3	IO,E/I-2	Thu 8/31/23 9:00 PM	Thu 8/31/23 11:00 PM													
380		49013120CVB001	3120-CVB-001						IO Walkdown for Hand over& Deisolation of CVB001	1 hr	4	IO,E/I,Ops,Mech-3	Fri 9/1/23 4:00 AM	Fri 9/1/23 5:00 AM													
381		49013120CVB002	3120-CVB-002						Standby for TOTAL SHUTDOWN	24 hrs				Fri 9/1/23 5:00 AM	Sat 9/2/23 5:00 AM												
382		49013120CVB002	3120-CVB-002						IO Walkdown for Hand over& Deisolation of CVB002	0 hrs	4	IO,E/I,Ops,Mech-3	Sat 9/2/23 5:00 AM	Sat 9/2/23 5:00 AM													
383									APRON FEEDER COMMISSIONING		3	E&I-1,Mech,Ops	Thu 8/31/23 5:30 PM	Thu 8/31/23 6:30 PM													
384									TRIPPER CAR COMMISSIONING		3	E&I-2,Mech,Ops	Fri 9/1/23 5:00 AM	Fri 9/1/23 6:00 AM													

Project: PRIMARY CRUSHER SH  
Date: Tue 8/15/23 3:47 PM

Task Summary  
Split Project Summary  
Milestone Inactive Task

Inactive Milestone  
Inactive Summary  
Manual Summary Rollup  
Manual Task

Duration-only  
Manual Summary

Start-only  
External Tasks

External Milestone  
Deadline  
Critical

Critical Split  
Progress  
Manual Progress

## БАГ ХУВААРИЛАЛТ/ MANPOWER ALLOCATION

# MANPOWER ASSIGNMENT

## MANPOWER ARRANGEMENT

### DAY SHIFT



NANJID  
RENCHINDONDOV  
SUPERVISOR MECHANICAL

DAY SHIFT  
PHONE: 9509 1284  
CONCENTRATOR

### MECH-1

### NIGHT SHIFT



GANTULGA  
MYAGMAR  
SUPERVISOR MECHANICAL

NIGHT SHIFT  
PHONE: 9990 2349  
CONCENTRATOR

- ERDENEKHUU TSEELKHAА 95341315
- ALTANGEREL ALTANTSETSEG 88016834
- DARKHANNYAM TOYA 99719198
- TSOLMON DAMBIINYAM 99661885
- UUGANDAVAA BOLDBAATAR 99239629
- BATBILEG OYUMAA 95345986
- ORKHONSELENGE TOLYA APP 99809685
- TUMUR-ULZII NASANBUYAN APP 88223367
- ANKHBAYAR ERDENEBAATAR APP 95923032
- TUGULDUR UNENBOLD ESS.MTC 96434797
- BAYARJARGAL BATTOGTOKH EQP. MTC 99932033
- JAMBALDORJ RENTSENDORJ NBIK 88013862
- ARIUNBOLD AYURCHULUUN NBIK 88032423
- ONOLBAATAR RAVSHIG 99033236
- BOLDBAATAR SANJAADAMBA 99023260
- MENDSAIKHAN MUNGUN 99660444
- PUREVSUREN SODNOMTSOG 99905314
- BATSAIKHAN LUVSAN-YONDON 96518844
- BAT-ORSHIKH MUNKHNASAN 99553980
- URANCHIMEG TSAGAAN APP 88540868
- CHULUUNDAVAA GONGOR APP 89102277
- BILGUUN ENKHSORONZON APP 94977600
- BUM-ERDENE BATTATSRAL UTI. MTC 99909891
- TSEND-AYUSH DORJGOTOV ESS.MTC 99331780
- KHURELKHUU ALDAR NBIK 88834782
- BATKHUU NAIDAN NBIK 99607420

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	6 PM						
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM														
1									SYSTEM SET-UP AND ISOLATION	8 hrs			Tue 8/29/23 7:00 AM	Tue 8/29/23 3:00 PM														
2									CLEAN DUMP POCKET,SET SURGE BIN LEVEL AND INSTALL SPIKE BAR	5 hrs			Tue 8/29/23 7:00 AM	Tue 8/29/23 12:00 PM														
3		49013110CRU001	3110-CRU-001						Stop dumping, Run out CRU, FDA and install safety cone, concrete barricade	0.5 hrs	3	Mech-1	Tue 8/29/23 7:00 AM	Tue 8/29/23 7:30 AM														
5		49013110CRU001	3110-CRU-001						Isolate nuclear sensor	15 mins		Ops, Mech-1,	Tue 8/29/23 7:45 AM	Tue 8/29/23 8:00 AM														
9	89371984	49013110CRU001BIN2	3110-CRU-001						Open surge bin steel door	1 hr	3	Mech-1	Tue 8/29/23 7:30 AM	Tue 8/29/23 8:30 AM														
31									PRIMARY CRUSHER	64.5 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 11:30 PM														
33									INSPECTION INNER BUSHING, PISTON WEAR RING	48.5 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 1:30 PM														
34									REMOVE SPIDER ASSY AND MAINSHAFT ASSY	6 hrs			Tue 8/29/23 1:00 PM	Tue 8/29/23 7:00 PM														
35									REMOVE SPIDER ASSY	3 hrs			Tue 8/29/23 1:00 PM	Tue 8/29/23 4:00 PM														
36	71655642	49013110CRU001HYST.CYLD	3110-CRU-001		WH	MH			Install platform & spider stand	0.5 hrs	7+4	Mech-1,Rig	Tue 8/29/23 1:00 PM	Tue 8/29/23 1:30 PM														
37	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS		MH			Remove spider cap and Spider and disconnect grease pipe	1 hr	7+4	Mech-1,Rig	Tue 8/29/23 1:30 PM	Tue 8/29/23 2:30 PM														
38	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS		MH			Remove spider assembly	1.5 hrs	7+4	Mech-1,Rig	Tue 8/29/23 2:30 PM	Tue 8/29/23 4:00 PM														
39									REMOVE MAINSHAFT ASSY	3 hrs			Tue 8/29/23 4:00 PM	Tue 8/29/23 7:00 PM														
40	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS		MH			Rig out main shaft Off-L Mantle Liner	3 hrs	7+4	Mech-1,Rig	Tue 8/29/23 4:00 PM	Tue 8/29/23 7:00 PM														
41									OPEN SURGE BIN & BUILD SCAFFOLD	10 hrs			Tue 8/29/23 1:00 PM	Tue 8/29/23 11:00 PM														
42	89371984	49013110CRU001BIN2.LINR	3110-BIN-002			MH			Remove wooden Dunnage	1 hr	6	Mech-1	Tue 8/29/23 1:00 PM	Tue 8/29/23 2:00 PM														
47									CHANGE OUT SPIDER BUSHING & REPAIR SPIDER ASSY	7 hrs			Tue 8/29/23 9:30 PM	Wed 8/30/23 4:30 AM														
49	71655642	49013110CRU001SPIR	3110-CRU-001	HW	WH	MH			Repair spider assy and weld wear blocks on spider	6 hrs	1+1	Mech-1,Weld	Tue 8/29/23 10:30 PM	Wed 8/30/23 4:30 AM														
50									INSPECT INNER BUSHING, PISTON WEAR RING	4.5 hrs			Tue 8/29/23 7:00 PM	Tue 8/29/23 11:30 PM														
51	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS	WH	FO			Install ladder down to inner eccentric and pump out the residual oil	1 hr	5+2	Mech-1,Lube	Tue 8/29/23 7:00 PM	Tue 8/29/23 8:00 PM														
52	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS	WH	FO			Measure and inspect inner bushing	0.5 hrs	5	CM,Mech-1	Tue 8/29/23 8:00 PM	Tue 8/29/23 8:30 PM														
53	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS	WH	FO			Inspect the center wear ring	3 hrs	5+2	CM,Mech-1	Tue 8/29/23 8:30 PM	Tue 8/29/23 11:30 PM														
55									REPLACE SURGE BIN WALL & REPAIR ARM RIP LINERS	32.5 hrs			Tue 8/29/23 11:00 PM	Thu 8/31/23 7:30 AM														
56	89371984	49013110CRU001BIN2.LINR	3110-BIN-002	CS	HW	WH	FO		Cru Mech 36W Surge Bin Kwick lock & Wall liners replace	32 hrs	7	Mech-1	Tue 8/29/23 11:30 PM	Thu 8/31/23 7:30 AM														
59									INSTALL MANTLE AND SPIDER ASSY	6 hrs			Thu 8/31/23 7:30 AM	Thu 8/31/23 1:30 PM														
60	89399389	49013110CRU001MASH	3110-CRU-001	CS					Cru Mech 12W Off-L Bonnet seal Clean up	1 hr	2	Mech-1	Thu 8/31/23 10:30 AM	Thu 8/31/23 11:30 AM														
61	71655642	49013110CRU001MASH.LINR	3110-CRU-001	CS		MH			Re-Install Cru Mech Off-L Mantle Liner	3 hrs	6+4	Mech-1,Rig	Thu 8/31/23 7:30 AM	Thu 8/31/23 10:30 AM														
62	71655642	49013110CRU001SPIR	3110-CRU-001	CS		MH			Install spider assembly and connect grease pipe	2 hrs	6+4	Mech-1,Rig	Thu 8/31/23 10:30 AM	Thu 8/31/23 12:30 PM														
63	71655642	49013110CRU001SPIR	3110-CRU-001	CS		MH			Add grease spider cap and install spider cap	1 hr	6+4	Mech-1,Rig	Thu 8/31/23 12:30 PM	Thu 8/31/23 1:30 PM														
64									PRESTART TASKS	3 hrs			Thu 8/31/23 1:30 PM	Thu 8/31/23 4:30 PM														
66	89399389	49013110CRU001BIN2.LINR	3110-BIN-002	CS					Close surge bin door	1.5 hrs	6	Mech-1	Thu 8/31/23 3:00 PM	Thu 8/31/23 4:30 PM														
69	89399389	49013110CRU001MASH.LINR	3110-CRU-001	CS					Remove safety hard barricade, safety stair and static line	0.5 hrs	3+4	Mech-1,Rig	Thu 8/31/23 3:30 PM	Thu 8/31/23 4:00 PM														
85									PRIMARY CRUSHER PM01	48.5 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 7:30 AM														
94	89417848	49013110CRU001	3110-CRU-001						Cru Mech 12W Off-L Visual Round Inspection	2 hrs	3	Mech-1	Thu 8/31/23 5:30 AM	Thu 8/31/23 7:30 AM														
95									ROCK BREAKER PM	17.5 hrs			Tue 8/29/23 3:00 PM	Wed 8/30/23 8:30 AM														
96	89417853	49013110RKB001	3110-RKB-001						Rock Breaker Mech 12W OFF-L Pm Inspectio	3 hrs	3	Mech-1	Tue 8/29/23 11:30 PM	Wed 8/30/23 2:30 AM														
97	89324052	49013110RKB001	3110-RKB-001			MH	</																					

## MANPOWER ARRANGEMENT

### DAY SHIFT

### MECH-2

### NIGHT SHIFT



TUMENDELGER  
BAYANDELGER

MECHANICAL TEAM LEADER

DAY SHIFT  
PHONE: 88901583

CONCENTRATOR



ARIUNBOLD  
MAKSED

MECHANICAL TEAM LEADER

NIGHT SHIFT  
PHONE: 99907358

CONCENTRATOR

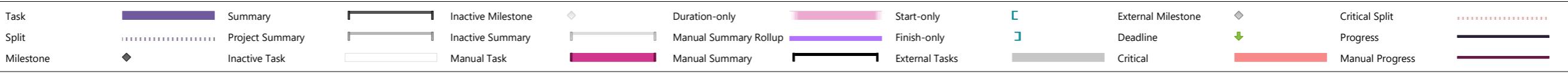
- MUNKH-ERDENE ERDENEBAATAR 99231990
- BATKHUYAG KHURELBAATAR 96610026
- MIJID ALTANGEREL 99078247
- ZOLZAYA SHAGJAAKHUU 88052162
- ERDENEBAT JAMBALSUREN 88017009
- OYUNTSETSEG MUNKHJARGAL APP 88378843
- BAASANKHUU CHINBAATAR APP 94479850
- BAYARKHUU BAYANMUNKH SITE MTC 88955704
- OTGONBAYAR DORJ SITE MTC 95112244
- BULGANKHANGAI MYAGMARSUREN SITE MTC 99403858
- SANDAGDORJ BATBAATAR NBIK 86444999
- ORKHONBAYAR PUREVDORJ NBIK 95028581

- GANBAT NAMJILSUREN 99559788
- BAATARKHUU DAVAASUREN 99064415
- BAYARAA BARIA 88853364
- GANTULGA OTGONBAT 88608555
- SHINEKHUU BUYANKHISHIG 99109302
- KHOSJARGAL ERDENEBAATAR APP 88653208
- GANTULGA TUMENJARGAL UTI. MTC 99064773
- OTGONBAYAR DAMDINSUREN UTI. MTC 95388742
- MUNKHBAT PUREVKHUU NBIK 86444999
- AMARSULD BOLD NBIK 95028581
- ENKHBAT SHILKHUU NBIK EX 88556566

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	Wed Aug 30 12 PM	Wed Aug 30 6 PM	Wed Aug 30 12 PM	6 PM		
0									PRIMARY CRUSHER SHUTDOWN	94 hrs		Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM								
1									SYSTEM SET-UP AND ISOLATION	8 hrs		Tue 8/29/23 7:00 AM	Tue 8/29/23 3:00 PM								
17									ISOLATION PRIMARY CRUSHER SYSTEM	3 hrs		Tue 8/29/23 9:30 AM	Tue 8/29/23 12:30 PM								
18									CRU001 & FDA001 ISOLATION	3 hrs		Tue 8/29/23 9:30 AM	Tue 8/29/23 12:30 PM								
20	89417918	49013110FDA001	3110-FDA-001						Isolate Magnet 001 and Postion apron feeder sprocket & Isolate FDA001	0.5 hrs	1+1 IO,E/I,Ops,Mech-2	Tue 8/29/23 9:30 AM	Tue 8/29/23 10:00 AM								
101									APRON FEEDER FDA001 AND MAGNET MGT001	55.5 hrs			Tue 8/29/23 9:30 AM	Thu 8/31/23 5:00 PM							
103									Cru Mech Off-L 36W FDA Sprocket reverse	47 hrs			Tue 8/29/23 10:30 AM	Thu 8/31/23 9:30 AM							
104									1st position	2 hrs			Tue 8/29/23 10:30 AM	Tue 8/29/23 12:30 PM							
105	89021370	49013110FDA001ELEM.SPRO	3110-FDA001				MH		Cru Mech Off-L 36W FDA Sprocket reverse	2 hrs	6 Mech-2		Tue 8/29/23 10:30 AM	Tue 8/29/23 12:30 PM							
106									2st position	2.5 hrs				Wed 8/30/23 6:30 PM	Wed 8/30/23 9:00 PM						
108	89021370	49013110FDA001ELEM.SPRO	3110-FDA001				MH		Cru Mech Off-L 36W FDA Sprocket reverse	2 hrs	6 Mech-2			Wed 8/30/23 7:00 PM	Wed 8/30/23 9:00 PM						
109									3st position	2.5 hrs				Thu 8/31/23 7:00 AM	Thu 8/31/23 9:30 AM						
111	89021370	49013110FDA001ELEM.SPRO	3110-FDA001				MH		Cru Mech Off-L 36W FDA Sprocket reverse	2 hrs	6 Mech-2			Thu 8/31/23 7:00 AM	Thu 8/31/23 9:30 AM						
112									Mech C/O 12W OFF-L Feed Chute Liner	55 hrs				Tue 8/29/23 10:00 AM	Thu 8/31/23 5:00 PM						
113	89407259	49013110CHU001	3110-CHU-001				MH		Remove Self cleaning magent	0.5 hrs	4 Mech-2,E&I-1			Tue 8/29/23 10:00 AM	Tue 8/29/23 10:30 AM						
116	89407259	49013110CHU001	3110-CHU-001	CS	HW		MH		Mech C/O 12W OFF-L Feed Chute Liner	28 hrs	6 Mech-2			Tue 8/29/23 1:30 PM	Wed 8/30/23 5:30 PM						
118	89407259	49013110CHU001	3110-CHU-001				MH		Re-Install Self cleaning magent	0.5 hrs	6 Mech-2,E&I-1			Wed 8/30/23 6:30 PM	Wed 8/30/23 7:00 PM						
131									APRON FEEDER FDA001 PMs	50.5 hrs				Tue 8/29/23 10:00 AM	Thu 8/31/23 12:30 PM						
132	71644701	49013110FDA001ELEM.ROLR.RROL	3110-FDA-001	HW			MH		FDA Mech Off-L Return Gea Roller Assembly C/O	10 hrs	3 Mech-2			Wed 8/30/23 5:30 PM	Thu 8/31/23 3:30 AM						
137									Apron Feeder ACM OFF-L UT Test Ins	34.5 hrs				Wed 8/30/23 2:00 AM	Thu 8/31/23 12:30 PM						
139	89406914	49013110FDA001	3110-FDA-001				MH		PC Mech 12W Apron Feeder Mech Off-L Insp	3 hrs	2 Mech-2			Thu 8/31/23 9:30 AM	Thu 8/31/23 12:30 PM						
140									CONVEYING SYSTEM	70 hrs				Tue 8/29/23 7:00 AM	Fri 9/1/23 5:00 AM						
141									CVB-011 PRI/CRUSHER CRUSHER DISCHARGE CONVEYOR	61 hrs				Tue 8/29/23 7:00 AM	Thu 8/31/23 8:00 PM						
160									CVB-011 DISCHARGE CONVEYOR OFFLINE PMs	57 hrs				Tue 8/29/23 11:00 AM	Thu 8/31/23 8:00 PM						
161	89390438	49013120CVB011ELEM.PULL	3120-CVB-011						CVB Mech 12W Off-L Pulley Shaft Vis Insp	5 hrs	3 Mech-2			Thu 8/31/23 12:30 PM	Thu 8/31/23 5:30 PM						
373									DE-ISOLATION AND HAND OVER	36 hrs				Thu 8/31/23 5:00 PM	Sat 9/2/23 5:00 AM						
376		49013110FDA001	3110-FDA-001						IO Walkdown for Hand over & Deisolation Apron feeder	0.5 hrs	4 IO,E/I,Ops,Mech-2			Thu 8/31/23 5:00 PM	Thu 8/31/23 5:30 PM						

Project: PRIMARY CRUSHER SH  
Date: Wed 8/23/23 11:44 AM



## MANPOWER ARRANGEMENT

### MECH-3

#### DAY SHIFT

  
**CHULTEMSUREN  
ZORIGTBAATAR**  
MECHANICAL TEAM LEADER

**DAY SHIFT  
PHONE: 95366690**  
CONCENTRATOR

#### NIGHT SHIFT

  
**DAVAAJAV  
BATNASAN**  
MECHANICAL TEAM LEADER

**NIGHT SHIFT  
PHONE: 99385492**  
CONCENTRATOR

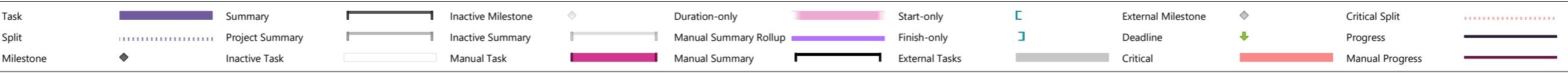
- AZKHUU DARISUREN 95502288
- JADAMBA NARANTUNGALAG 99012876
- BAT-UYERKHEL OTGONTSETSEG 88466302
- SUKHBAT BATSUKH 99396835
- PUREVBAATAR GANTUMUR APP 95117698
- UUGANBAYAR GANTULGA EQP. MTC 99442355
- NAMKHAI BATMUNKH EQP. MTC 99778145
- TOGTOKHNOROV DAMDIN MRC 86863932
- JAVKHLANTUGS BAYAR MRC 94107887
- MUNKHBAATAR TSEND MRC 88958572

- URANBAT TODGERELT 99189844
- ALTANGEREL DAVAADORJ 99155145
- BAATARKHUU DORJGOTOV 95616666
- CHINZURKH CHINBAT 88033379
- ARIUNJARGAL TSOGBAYAR EQP. MTC 99990769
- DAVAASUREN BATBAYAR EQP. MTC 99151404
- NARMANDAKH NYAMDAVAA EQP. MTC 99806031
- DUGERSUREN DAVAASUREN MRC 94887887
- ERDENEBAYAR BATSUKH MRC 94777887
- SODGEREL ENKHJARGAL MRC 94027887

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	Wed Aug 30 12 PM	Wed Aug 30 6 PM
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM				
1									SYSTEM SET-UP AND ISOLATION	8 hrs			Tue 8/29/23 7:00 AM	Tue 8/29/23 3:00 PM				
21									ISOLATION CONVEYING SYSTEM	3.5 hrs			Tue 8/29/23 9:30 AM	Tue 8/29/23 1:00 PM				
24									CVB-001, PRIMARY CRUSHER OVERLAND CONVEYOR	2.5 hrs			Tue 8/29/23 10:30 AM	Tue 8/29/23 1:00 PM				
26	89417918	49013120CVB001	3120-CVB-001						Isolate CVB001 & CVB2030 Put 2ea clamp Pulley#2	2 hrs	1+1	IO,E/I,Mech-3	Tue 8/29/23 11:00 AM	Tue 8/29/23 1:00 PM				
140									CONVEYING SYSTEM	70 hrs			Tue 8/29/23 7:00 AM	Fri 9/1/23 5:00 AM				
141									CVB-011 PRI/CRUSHER CRUSHER DISCHARGE CONVEYOR	61 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 8:00 PM				
153									CVB-011 MECH OFF-L DRIVE GEARBOX B REPLACE	23 hrs			Tue 8/29/23 11:00 AM	Wed 8/30/23 10:00 AM				
155	71472992	49013120CVB011DRVE.GBOX.GBXB	3120-CVB-011				MH		CVB011 MECH OFF-L DRIVE GEARBOX B REPLACE	16 hrs	6	Mech-3, Rig	Tue 8/29/23 12:00 PM	Wed 8/30/23 4:00 AM				
156	71472992	49013120CVB011DRVE.GBOX.GBXB	3120-CVB-011						CVB011 MECH OFF-L DRIVE GEARBOX B ALIGNMENT	6 hrs	6	Mech-3	Wed 8/30/23 4:00 AM	Wed 8/30/23 10:00 AM				
182									CVB-001 PRI/CRUSHER OVERLAND CONVEYOR	64 hrs			Tue 8/29/23 12:00 PM	Fri 9/1/23 4:00 AM				
195									CVB001 TAKE UP PULLEY #2 REPLACE	45.5 hrs			Tue 8/29/23 1:30 PM	Thu 8/31/23 11:00 AM				
197	71608840	49013120CVB001ELEM.PULL.TAKE	3120-CVB-001		WH	MH			CVB001 Take up Pulley#2 replace	24 hrs	6	Mech-3	Wed 8/30/23 10:00 AM	Thu 8/31/23 10:00 AM				
206									Remove scaffold of discharge chute liner inspection	51 hrs			Tue 8/29/23 3:00 PM	Thu 8/31/23 6:00 PM				
207	89410751	49013120CVB001DRVE.CPLG	3120-CVB-001						CVB Fluid Coupling Mech 12W Off-L Mech	3 hrs	3	Mech-3	Thu 8/31/23 10:00 AM	Thu 8/31/23 1:00 PM				
208	89390437	49013120CVB001ELEM.PULL	3120-CVB-001						CVB Mech 12W Off-L Pulley Shaft Vis Insp	3 hrs	3	Mech-3	Thu 8/31/23 1:00 PM	Thu 8/31/23 4:00 PM				
221	89270001	49013120CVB001DRVE.GBOX.GBXA	3120-CVB-001						Lube 1Y Off-L Grease Grid Coupling A C/O	0.5 hrs	2+4	Lube, Mech-3	Thu 8/31/23 4:00 PM	Thu 8/31/23 4:30 PM				
222	89270002	49013120CVB001DRVE.GBOX.GBXB	3120-CVB-001						Lube 1Y Off-L Grease Grid Coupling B C/O	0.5 hrs	2+4	Lube, Mech-3	Thu 8/31/23 4:30 PM	Thu 8/31/23 5:00 PM				
223	89385870	49013120CVB001DRVE.GBOX.GBXC	3120-CVB-001						Lube 1Y Off-L Grease Grid Coupling C C/O	0.5 hrs	2+4	Lube, Mech-3	Thu 8/31/23 5:00 PM	Thu 8/31/23 5:30 PM				
224	89385872	49013120CVB001DRVE.GBOX.GBXD	3120-CVB-001						Lube 1Y Off-L Grease Grid Coupling D C/O	0.5 hrs	2+4	Lube, Mech-3	Thu 8/31/23 5:30 PM	Thu 8/31/23 6:00 PM				
245									CVB-002 STOCKPILE FEED CONVEYOR & TRIPPER CAR	69.5 hrs			Tue 8/29/23 7:30 AM	Fri 9/1/23 5:00 AM				
278									CVB-002 STOCKPILE FEED CONVEYOR OFFLINE PM s	61 hrs			Tue 8/29/23 11:00 AM	Fri 9/1/23 12:00 AM				
279	89390439	49013120CVB002ELEM.PULL	3120-CVB-002						CVB Mech 12W Off-L Pulley Shaft Vis Insp	6 hrs	3	Mech-3	Thu 8/31/23 6:00 PM	Fri 9/1/23 12:00 AM				
300									CVB-002, TRIPPER CAR OFFLINE PM	64 hrs			Tue 8/29/23 11:00 AM	Fri 9/1/23 3:00 AM				
301	89417854	49013120CVB002ATTA.TRIP	3120-TRC-001			MH			CVB002 Tripper PM 12W Off-L Mech	3 hrs	3	Mech-3	Fri 9/1/23 12:00 AM	Fri 9/1/23 3:00 AM				
373									DE-ISOLATION AND HAND OVER	36 hrs			Thu 8/31/23 5:00 PM	Sat 9/2/23 5:00 AM				
378		49013120CVB011	3120-CVB-011						IO Walkdown for Hand over& Deisolation of CVB011	1 hr	4	IO,E/I,Ops,Mech-3	Thu 8/31/23 8:00 PM	Thu 8/31/23 9:00 PM				
380		49013120CVB001	3120-CVB-001						IO Walkdown for Hand over& Deisolation of CVB001	1 hr	4	IO,E/I,Ops,Mech-3	Fri 9/1/23 4:00 AM	Fri 9/1/23 5:00 AM				
382		49013120CVB002	3120-CVB-002						IO Walkdown for Hand over& Deisolation of CVB002	0 hrs	4	IO,E/I,Ops,Mech-3	Sat 9/2/23 5:00 AM	Sat 9/2/23 5:00 AM				

Project: PRIMARY CRUSHER SH  
Date: Wed 8/23/23 11:45 AM



## MANPOWER ARRANGEMENT

### MECH- STANDBY

#### DAY SHIFT



BATMUNKH  
BALCHIN  
MECHANICAL SUPERVISOR

DAY SHIFT  
PHONE: 99903701  
CONCENTRATOR

#### NIGHT SHIFT



NATSAG  
BATBAATAR  
SUPERVISOR MECHANICAL

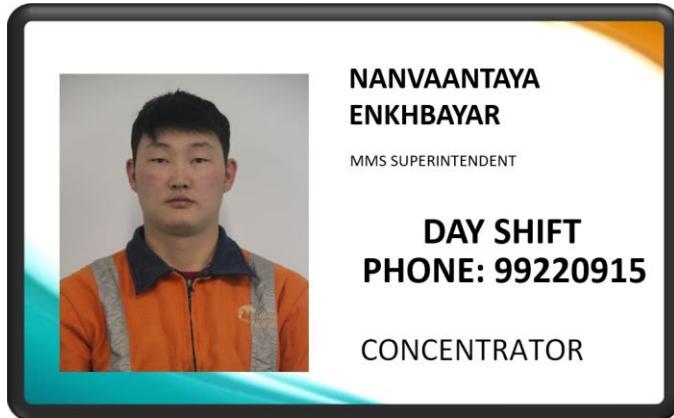
NIGHT SHIFT  
PHONE: 9509 1570  
CONCENTRATOR

- NARANCHULUUN ODONGUA 99673246
- ERDENEBUGAN UNURBAYAN 99607400
- BAYARAA SUGAR EQP. MTC 99056270
- ALTANKHUYAG LKHAGVASUREN SITE MTC 99092098
- DULBADRAKH NYAMJAV NBIK EX 94610018
- ENKHTAIVAN JANCHIVDORJ NBIK EX 99903389
- TURTOGTOKH ERDENETOOGTOKH 95729860
- ZOLBOO BOLD 99494499
- TUGSBAYAR GANTUMUR 99198458
- CHINZORIG DODOV 99221107
- ENKHSAIKHAN ENKHTAIVAN NBIK EX 89370430
- BALJINNYAM LKHAM NBIK EX 95695147

## MANPOWER ARRANGEMENT

### MMSE-1

#### DAY SHIFT



#### NIGHT SHIFT

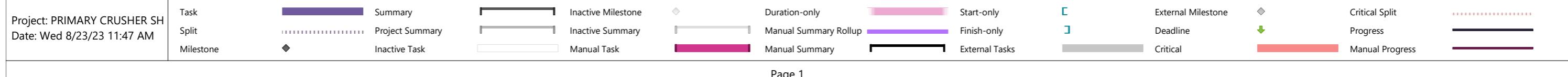


- ENKHBAATAR GUNDUGSUREN MMSE 99404061
- ENKH-OTGON GRISH MMSE 88918070
- OYUNBAT SERGELEN SITE MTC 99907443
- MUNKH-ERDENE BATJARGAL MMSE EX 88998074
- ODKHUU GOMBOSUREN NBIK EX 88966626
- PUREV-OCHIR SANZAIDORJ NBIK EX 91098283
- JANCHIV DUZIIMAA NBIK EX 99192905

- BATKHUYAG ERDENEBULAG MMSE 89893509
- NARANBAT CHIMEDDORJ MMSE 88610809
- OTGONKHUU NARANTOGTOKH MMSE EX 85115661
- OTGONCHANRAV CHADRAABAL NBIK EX 99121864
- KHURELCHULUUN JAMSран NBIK EX 99570009
- SUMIYABAIZAR GANBAT NBIK EX 90207940
- PUREVCHULUUN YDAMSUREN NBIK EX 99657650

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

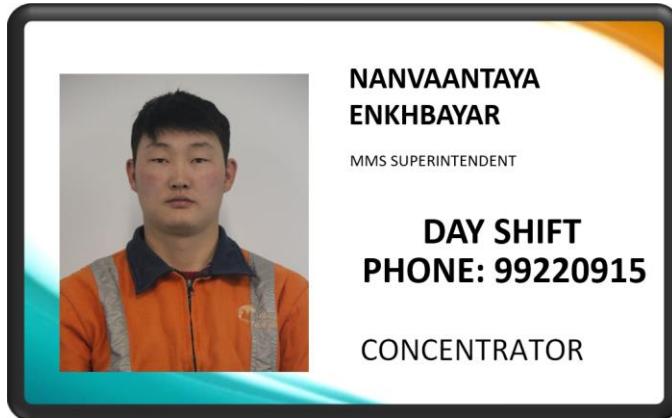
ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	6 PM		
0									<b>PRIMARY CRUSHER SHUTDOWN</b>	94 hrs		<b>Tue 8/29/23 7:00 AM</b>	<b>Sat 9/2/23 5:00 AM</b>										
101									<b>APRON FEEDER FDA001 AND MAGNET MGT001</b>	55.5 hrs		<b>Tue 8/29/23 9:30 AM</b>	<b>Thu 8/31/23 5:00 PM</b>										
120									<b>APRON FEEDER DISCHARGE CHUTE REPAIR</b>	33 hrs		<b>Tue 8/29/23 10:00 AM</b>	<b>Wed 8/30/23 7:00 PM</b>										
124	89399098	49013110FDA001DICH.LINR	3110-CHU-002	HW	WH	MH			Worn liner/Rock BX Mech Off-L Insp	18 hrs	7	MMS-1	Wed 8/30/23 12:00 AM	Wed 8/30/23 6:00 PM									
126	89399119	49013110FDA001DICH.TRAN	3110-CHU-002	CS	WH	MH			Skirting rub/liner Mech Off-L Insp&CO	6 hrs	7	MMS-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 5:00 PM									
140									<b>CONVEYING SYSTEM</b>	70 hrs		<b>Tue 8/29/23 7:00 AM</b>	<b>Fri 9/1/23 5:00 AM</b>										
141									<b>CVB-011 PRI/CRUSHER CRUSHER DISCHARGE CONVEYOR</b>	61 hrs		<b>Tue 8/29/23 7:00 AM</b>	<b>Thu 8/31/23 8:00 PM</b>										
143									<b>Discharge chute repair and Skirt liner change out</b>	51.5 hrs		<b>Tue 8/29/23 10:00 AM</b>	<b>Thu 8/31/23 1:30 PM</b>										
144	89399117	49013120CVB011ATTA.CHUT.DICH	3120-CHU-134				MH		Remove cover of transfer chute	0.5 hrs	7	MMS-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 11:30 AM									
148	89413700	49013120CVB011ATTA.CHUT.DICH	3120-CHU-134	CS	HW		MH		Worn liner/Rock BX Mech Off-L Insp&CO	16 hrs	7	MMS-1	Wed 8/30/23 6:00 PM	Thu 8/31/23 10:00 AM									
151	89399117	49013120CVB011ATTA.CHUT.DICH	3120-CHU-134	CS	HW		MH		Skirting rub/liner Mech Off-L Insp&CO	6 hrs	7	MMS-1	Tue 8/29/23 5:00 PM	Tue 8/29/23 11:00 PM									
160									<b>CVB-011 DISCHARGE CONVEYOR OFFLINE PMs</b>	57 hrs			<b>Tue 8/29/23 11:00 AM</b>	<b>Thu 8/31/23 8:00 PM</b>									
170	89390164	49013120CVB011ELEM.SCRA	3120-CVB-011	CS			MH		Vplough,Pri&Sec scappers Off Insp&C/O	5 hrs	7	MMS-1	Thu 8/31/23 10:00 AM	Thu 8/31/23 3:00 PM									
171	89413696	49013120CVB011ELEM.TFAI	3120-CVB-011				MH		Over/Conv rollers Off-L Insp & C.O /If need build scaffold/	5 hrs	7	MMS-1 ,Scaffold	Thu 8/31/23 3:00 PM	Thu 8/31/23 8:00 PM									



## MANPOWER ARRANGEMENT

### MMSE-2

#### DAY SHIFT



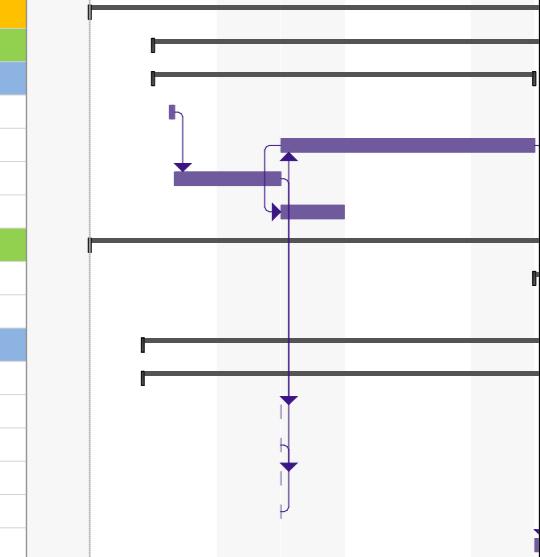
#### NIGHT SHIFT



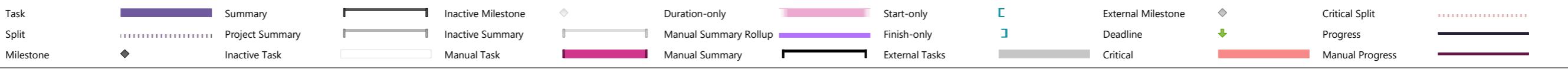
- GANBOLD SHAGDAR MMSE 88704132
- NAMJIMSEREN RENTSENDORJ MMSE 95650006
- MUNKHUU SARANKHUU NBIK 99178039
- BATJARGAL BATAA NBIK 99905587
- MURDORJ DELGERSAIKHAN NBIK EX 99438088
- MUNKHTUR MUNKHBOLD NBIK EX 94499608
- TSOGTBAATAR KHADBAATAR-DZ NBIK EX 89988929
- BAVUUDORJ SERGELEN NBIK EX 89949470
- GANTULGA BUMANSAN MMSE 99934599
- GANBOLD DASHTSOG MMSE 99292844
- AYURZANA SHARAVDORJ MMSE 88076697
- TUMUR DONDOLSUREN NBIK 99218031
- BORKHUU OTGONBAYAR NBIK 95297934
- DULGUUN ZEGDSUREN MMSE 88471200
- MUNKHZAYA ULZIITOGTOKH EES 99015745
- BAYARBAATAR TSOGBADRAKH EES 99707779

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	6 PM	12 AM	12 PM	6 AM	12 PM	6 PM						
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM															
140									CONVEYING SYSTEM	70 hrs			Tue 8/29/23 7:00 AM	Fri 9/1/23 5:00 AM															
182									CVB-001 PRI/CRUSHER OVERLAND CONVEYOR	64 hrs			Tue 8/29/23 12:00 PM	Fri 9/1/23 4:00 AM															
184									Discharge chute repair and Skirt liner change out	36.5 hrs			Tue 8/29/23 12:00 PM	Thu 8/31/23 12:30 AM															
185	89399118	49013120CVB001ATTA.CHUT.TRAN	3120-CHU-063				MH		Remove cover of transfer chute	0.5 hrs	8	MMS-2	Tue 8/29/23 1:30 PM	Tue 8/29/23 2:00 PM															
189	89413699	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003	CS	HW		MH		Worn liner/Rock BX Mech Off-L Insp&CO	18 hrs	8	MMS-2	Wed 8/30/23 5:00 AM	Wed 8/30/23 11:00 PM															
192	89399118	49013120CVB001ATTA.CHUT.TRAN	3120-CHU-063	HW		MH			Skirting rub/liner Mech Off-L Insp&CO	5 hrs	8	MMS-2	Tue 8/29/23 2:00 PM	Tue 8/29/23 7:00 PM															
193	71163678	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003	HW		MH			CVB001 MMS Dis Chut Level sensor Relocation	3 hrs	8+2	MMS-2, E&I	Wed 8/30/23 5:00 AM	Wed 8/30/23 8:00 AM															
245									CVB-002 STOCKPILE FEED CONVEYOR & TRIPPER CAR	69.5 hrs			Tue 8/29/23 7:30 AM	Fri 9/1/23 5:00 AM															
262									TRIPPER CAR CHANGE DISCHARGE CHUTE REPAIR	22.5 hrs			Thu 8/31/23 4:00 AM	Fri 9/1/23 2:30 AM															
265	89413701	49013120CVB002ATTA.CHUT.DICH	3120-CHU-004	CS	HW	WH	MH	FO	Worn liner/Rock BX Mech 12W Off-L Insp	12 hrs	8	MMS-2	Thu 8/31/23 2:00 PM	Fri 9/1/23 2:00 AM															
267									CHANGE OUT WEST TROUSER CHUTE	52 hrs			Tue 8/29/23 11:00 AM	Thu 8/31/23 3:00 PM															
268									CVB002 Trous/Chut-West C/O 12W Off-L MMS	52 hrs			Tue 8/29/23 11:00 AM	Thu 8/31/23 3:00 PM															
270	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004	HW	WH		FO		Remove flange bolts of west trouser chute	2 hrs	8	MMS-2	Tue 8/29/23 7:00 PM	Tue 8/29/23 9:00 PM															
272	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004		WH		FO		Remove old trouser chute on floor	2 hrs	8	MMS-2	Tue 8/29/23 10:00 PM	Wed 8/30/23 12:00 AM															
273	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004				FO		Rig new trouser chute	2 hrs	8	MMS-2	Wed 8/30/23 12:00 AM	Wed 8/30/23 2:00 AM															
275	89393911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004		WH	MH	FO		Install west side trouser chute	2 hrs	8	MMS-2	Wed 8/30/23 3:00 AM	Wed 8/30/23 5:00 AM															
276	89393910	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004	CS	HW	WH	MH	FO	CVB002 MMS 12W Off-L Trouser Chute East side repair	15 hrs	8	MMS-2	Wed 8/30/23 11:00 PM	Thu 8/31/23 2:00 PM															



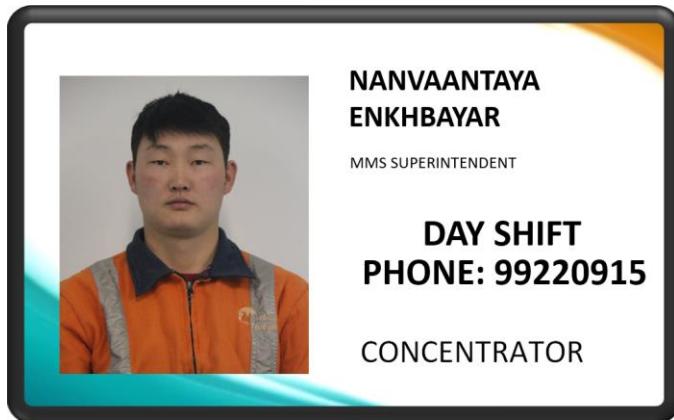
Project: PRIMARY CRUSHER SH  
Date: Wed 8/23/23 11:47 AM



## MANPOWER ARRANGEMENT

### MMSE-3

#### DAY SHIFT



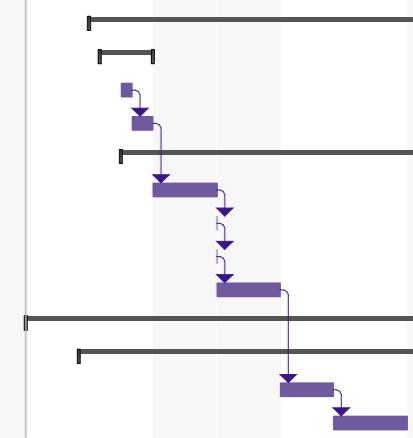
#### NIGHT SHIFT



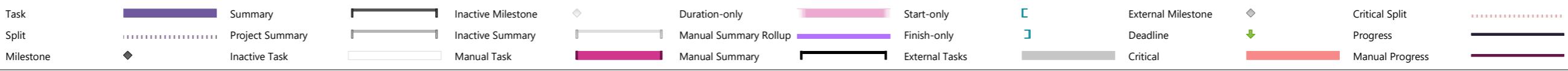
- BYAMBA-OCHIR NARMANDAKH MMSE 90003535
- MENDBAATAR PUREVSUREN MMSE 88760347
- KHAN-KHENTII UNDRALKHUYAG EQP. MTC 85893269
- GANTSOOJ TSOGBAATAR-DZ NBIK EX 89909060
- DASHZEVEG GANDORJ NBIK EX 80970605
- TSOGT-OCHIR NATSAGDORJ EES 96648686
- GAN-ERDENE GANDUSH EES 88318986
- GANTOGTOKH BATDAVAA EES 80656630
- MUNKH-ERDENE VANDANDASH MMSE 88056836
- BATZORIG OTGONTUYA MMSE 88821811
- SUKHBAATAR GANBAATAR MMSE 89899167
- ENKHBAT ENKHMEND MMSE EX 91719821
- BAYARBAATAR MUNKHBAATAR NBIK EX 95340292
- URNUNBAATAR ZORIG NBIK EX 88434912
- NYAMBAYAR GENDENPIL EES 99290039
- ZOLBAYAR BAASANSUREN EES 99272415

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	6 PM
0									<b>PRIMARY CRUSHER SHUTDOWN</b>	94 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Sat 9/2/23 5:00 AM</b>								
140									<b>CONVEYING SYSTEM</b>	70 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Fri 9/1/23 5:00 AM</b>								
182									<b>CVB-001 PRI/CRUSHER OVERLAND CONVEYOR</b>	64 hrs			<b>Tue 8/29/23 12:00 PM</b>	<b>Fri 9/1/23 4:00 AM</b>								
201									<b>CVB2030 Chu Mech Off-L 12W Liner Insp/CO</b>	5 hrs			<b>Tue 8/29/23 1:00 PM</b>	<b>Tue 8/29/23 6:00 PM</b>								
203	89399278	49011126CVB2030ATT.CHUD	1126-CVB-2030-CI	CS	HW		MH		CVB2030 Chu Mech Off-L 12W Liner Insp/CO	1 hr	6	MMS-3	Tue 8/29/23 3:00 PM	Tue 8/29/23 4:00 PM								
204	89390414, 71552687	49011126CVB2030ATT.CHUD	1126-CVB-2030-CI	CS	HW		MH		CVB2030 Skirt Rub/LinelnspC/O 12WOFF MMS	1 hr	6	MMS-3	Tue 8/29/23 4:00 PM	Tue 8/29/23 5:00 PM								
206									<b>Remove scaffold of discharge chute liner inspection</b>	51 hrs			<b>Tue 8/29/23 3:00 PM</b>	<b>Thu 8/31/23 6:00 PM</b>								
217	89399276	49013120CVB001ATTA.IMBE	3120-CVB-001			MH			CVB001 Impact Bed Slider 12W Mech SERV	3 hrs	6	MMS-3	Tue 8/29/23 5:00 PM	Tue 8/29/23 8:00 PM								
218	89399277	49013120CVB001ATTA.IMBE	3120-CVB-001			MH			CVB001 Impact Bed Scale Roller 12W SERV	4 hrs	6	MMS-3	Tue 8/29/23 8:00 PM	Wed 8/30/23 12:00 AM								
219	89390165	49013120CVB001ELEM.SCRA	3120-CVB-001			MH			CVB001 Vploug&Scra Insp/Repl 12W Off MMS	5 hrs	6	MMS-3	Wed 8/30/23 12:00 AM	Wed 8/30/23 5:00 AM								
220	89413694	49013120CVB001ELEM.TFAI	3120-CVB-001			MH			Over/Conv rollers Off-L Insp & C.O /If need build scaffold/	3 hrs	6	MMS-3, Scaffold	Wed 8/30/23 5:00 AM	Wed 8/30/23 8:00 AM								
245									<b>CVB-002 STOCKPILE FEED CONVEYOR &amp; TRIPPER CAR</b>	69.5 hrs			<b>Tue 8/29/23 7:30 AM</b>	<b>Fri 9/1/23 5:00 AM</b>								
278									<b>CVB-002 STOCKPILE FEED CONVEYOR OFFLINE PM s</b>	61 hrs			<b>Tue 8/29/23 11:00 AM</b>	<b>Fri 9/1/23 12:00 AM</b>								
282	89390186	49013120CVB002ELEM.SCRA	3120-CVB-002	CS	WH	MH			Vplough,Pri&Sec scappers Off Insp&C/O	3 hrs	6	MMS-3	Wed 8/30/23 8:00 AM	Wed 8/30/23 11:00 AM								
283	89413695	49013120CVB002ELEM.TFAI	3120-CVB-002		WH	MH			Over/Conv rollers Off-L Insp & C.O /If need build scaffold/	6 hrs	6	MMS-3, Scaffold	Wed 8/30/23 11:00 AM	Wed 8/30/23 5:00 PM								



Project: PRIMARY CRUSHER SH  
Date: Wed 8/23/23 11:48 AM



## MANPOWER ARRANGEMENT

E&I-1

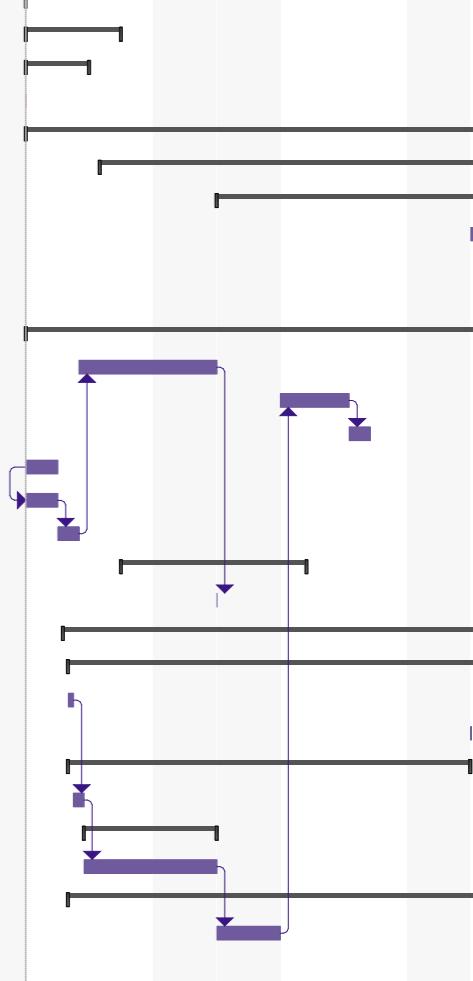
DAY SHIFT



- ODGARIG OKHINDUU 88525698
- ERDENE-OCHIR DASHDELEG 88004452
- DASHDAVAA KHURELBAATAR 99586750
- MUNKHTOGTOKH ZAYABAATAR 99363040

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	Wed Aug 30 12 PM	Wed Aug 30 6 PM	
0									PRIMARY CRUSHER SHUTDOWN	94 hrs		Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM					
1									SYSTEM SET-UP AND ISOLATION	8 hrs		Tue 8/29/23 7:00 AM	Tue 8/29/23 3:00 PM					
2									CLEAN DUMP POCKET,SET SURGE BIN LEVEL AND INSTALL SPILE BAR	5 hrs		Tue 8/29/23 7:00 AM	Tue 8/29/23 12:00 PM					
6	89417918	49013110CRU001	3110-CRU-001						Isolate crusher motor	15 mins	IO,E&I-1	Tue 8/29/23 7:45 AM	Tue 8/29/23 8:00 AM					
31									PRIMARY CRUSHER	64.5 hrs		Tue 8/29/23 7:00 AM	Thu 8/31/23 11:30 PM					
33									INSPECTION INNER BUSHING, PISTON WEAR RING	48.5 hrs		Tue 8/29/23 1:00 PM	Thu 8/31/23 1:30 PM					
55									REPLACE SURGE BIN WALL & REPAIR ARM RIP LINERS	32.5 hrs		Tue 8/29/23 11:00 PM	Thu 8/31/23 7:30 AM					
57	89169231, 71506965	49013110CRU001BIN2	31-LIT-0101	CS	WH	MH	FO		Cru El Off-I Tilt Switch Insp/Cleani	6 hrs	2	E&I-1	Thu 8/31/23 1:30 AM	Thu 8/31/23 7:30 AM				
64									PRESTART TASKS	3 hrs			Thu 8/31/23 1:30 PM	Thu 8/31/23 4:30 PM				
68	71655642	49013110CRU001MASH	3110-CRU-001						Cru El Off-I Mantle Pos Indicato Ins	1 hr	2	E&I-1	Thu 8/31/23 3:00 PM	Thu 8/31/23 4:00 PM				
85									PRIMARY CRUSHER PM01	48.5 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 7:30 AM				
86	89397802	49013110CRU001DRVE.MOTR	3110-CRU-001-M1						Cru El 12W Off-I Main Motor Insp	9 hrs	2	E&I-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 8:00 PM				
87	88976257	49013110BLD010MCRC.MC01	3110-MCC-012						690V MCC EI 2Y OFF-L INSP & SERVICE	5 hrs	2	E&I-1	Wed 8/30/23 7:30 AM	Wed 8/30/23 12:30 PM				
88	89449644	49013110CRU001ELEC	3110-LUS-001						Cru El 24W Off-I Speed Transmitter Insp	2 hrs	2	E&I-1	Wed 8/30/23 12:30 PM	Wed 8/30/23 2:30 PM				
89	89443755	49013110CRU001HYUT.HYP1.MOTR	3110-APU-161-M1						Cru El 24W Off-I Hydraulic Pum Mtr Insp	2 hrs	2	E&I-1	Tue 8/29/23 7:00 AM	Tue 8/29/23 9:00 AM				
90	89443756	49013110CRU001HYUT.HYP2.MOTR	3110-APU-162-M1						Cru El 24W Off-I Hydraulic Pum Mtr Insp	2 hrs	2	E&I-1	Tue 8/29/23 7:00 AM	Tue 8/29/23 9:00 AM				
91	89060180	49013110CRU001LUBE.HEAT.HTR1	3110-AHE-061						Cru El 52W Off-I Lube Oil Reser Htr insp	2 hrs	2	E&I-1	Tue 8/29/23 9:00 AM	Tue 8/29/23 11:00 AM				
95									ROCK BREAKER PM	17.5 hrs			Tue 8/29/23 3:00 PM	Wed 8/30/23 8:30 AM				
99	71621137	49013110RKB001ELEC	3110-RKB-001				MH		RKB E&I Off-L Fix horn	6 hrs	2	E&I-1	Tue 8/29/23 8:00 PM	Wed 8/30/23 2:00 AM				
101									APRON FEEDER FDA001 AND MAGNET MGT001	55.5 hrs			Tue 8/29/23 9:30 AM	Thu 8/31/23 5:00 PM				
112									Mech C/O 12W OFF-L Feed Chute Liner	55 hrs			Tue 8/29/23 10:00 AM	Thu 8/31/23 5:00 PM				
113	89407259	49013110CHU001	3110-CHU-001				MH		Remove Self cleaning magent	0.5 hrs	4	Mech-2,E&I-1	Tue 8/29/23 10:00 AM	Tue 8/29/23 10:30 AM				
118	89407259	49013110CHU001	3110-CHU-001				MH		Re-Install Self cleaning magent	0.5 hrs	6	Mech-2,E&I-1	Wed 8/30/23 6:30 PM	Wed 8/30/23 7:00 PM				
120									APRON FEEDER DISCHARGE CHUTE REPAIR	33 hrs			Tue 8/29/23 10:00 AM	Wed 8/30/23 7:00 PM				
128	89513523	49013110FDA001INST	3110-CHU-002	CS			MH		FDA Level Sensor EI 12W Off-L Ins & Clea	1 hr	2	E&I-1	Tue 8/29/23 10:30 AM	Tue 8/29/23 11:30 AM				
129									SELF CLEANING MAGNET PM's	11 hrs			Tue 8/29/23 11:30 AM	Tue 8/29/23 10:30 PM				
130	71376823	49013110FDA001ATT.AMGNT	3110-MGT-001				MH		Fdr Self Mgt E&I New Junction box & Cable sensor install	11 hrs	2	E&I-1	Tue 8/29/23 11:30 AM	Tue 8/29/23 10:30 PM				
131									APRON FEEDER FDA001 PMs	50.5 hrs			Tue 8/29/23 10:00 AM	Thu 8/31/23 12:30 PM				
134	89327135	49013110FDA001ELEC	3110-FDA-001				MH		Apron Feeder Insp & Service - EI 24W Off	8 hrs	2	E&I-1	Tue 8/29/23 10:30 PM	Wed 8/30/23 6:30 AM				
383									APRON FEEDER COMMISSIONING		3	E&I-1,Mech,Ops	Thu 8/31/23 5:30 PM	Thu 8/31/23 6:30 PM				



Project: PRIMARY CRUSHER SHUTDOWN  
Date: Wed 8/23/23 11:46 AM

Task Summary  
Split Inactive Milestone Duration-only Start-only External Milestone Critical Split  
Milestone Project Summary Inactive Summary Manual Summary Rollup Finish-only Deadline Progress  
Inactive Task Manual Task Manual Summary External Tasks Critical Manual Progress

## MANPOWER ARRANGEMENT

E&I-2

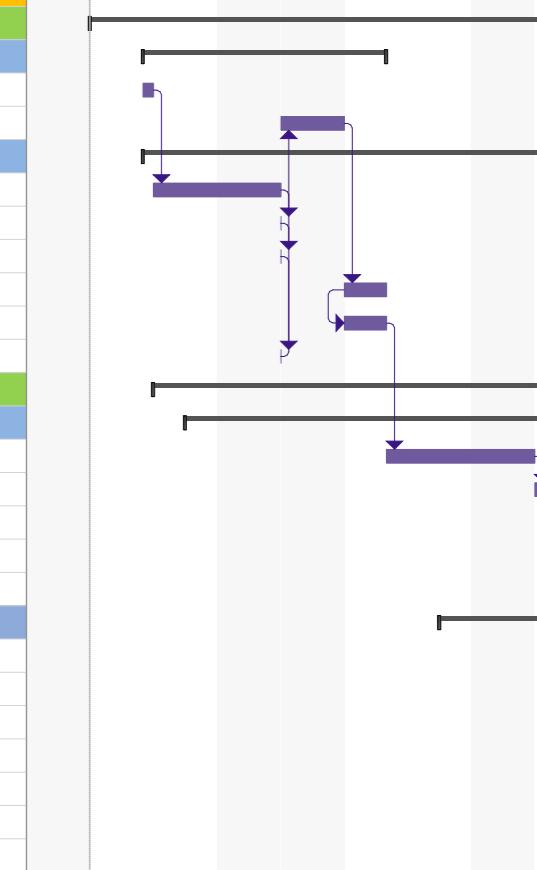
DAY SHIFT



- ANGARAGJAV NARANGEREL 88186006
- ORGILBAATAR ENKHTUUL 99734340
- BATMUNKH BATTULGA 88148809
- BAATARZORIG GERELENTUYA 99778046

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	6 PM	12 AM	12 PM	6 AM	12 PM	6 PM			
0									<b>PRIMARY CRUSHER SHUTDOWN</b>	94 hrs		<b>Tue 8/29/23 7:00 AM</b>	<b>Sat 9/2/23 5:00 AM</b>												
140									<b>CONVEYING SYSTEM</b>	70 hrs		<b>Tue 8/29/23 7:00 AM</b>	<b>Fri 9/1/23 5:00 AM</b>												
141									<b>CVB-011 PRI/CRUSHER CRUSHER DISCHARGE CONVEYOR</b>	61 hrs		<b>Tue 8/29/23 7:00 AM</b>	<b>Thu 8/31/23 8:00 PM</b>												
153									<b>CVB-011 MECH OFF-L DRIVE GEARBOX B REPLACE</b>	23 hrs		<b>Tue 8/29/23 11:00 AM</b>	<b>Wed 8/30/23 10:00 AM</b>												
154	71472992	49013120CVB011DRVE.GBOX.GBXB	3120-CVB-011						Disconnect electrical cable	1 hr	2	E&I-2	Tue 8/29/23 11:00 AM	Tue 8/29/23 12:00 PM											
158	71472992	49013120CVB011DRVE.GBOX.GBXB	3120-CVB-011						Re-connect electrical cable	1 hr	2	E&I-2	Wed 8/30/23 5:00 AM	Wed 8/30/23 6:00 AM											
160									<b>CVB-011 DISCHARGE CONVEYOR OFFLINE PMs</b>	57 hrs		<b>Tue 8/29/23 11:00 AM</b>	<b>Thu 8/31/23 8:00 PM</b>												
162	89236028	49013120CVB011ELEC	3120-CVB-011						CVB011 Pullcord Insp 52W Off-L Elec	8 hrs	2	E&I-2	Tue 8/29/23 12:00 PM	Tue 8/29/23 8:00 PM											
163	89467229	49013120CVB011ELEC	3120-CVB-011	HW	MH				CVB011 Instr PM 24W Off-L Elec	4 hrs	2	E&I-2	Tue 8/29/23 8:00 PM	Wed 8/30/23 12:00 AM											
164	89334161	49013120CVB011ATTA.TAUA	3120-CVB-011						Overland Cvb Winch E&I 24W Off-L Insp	2 hrs	2	E&I-2	Wed 8/30/23 12:00 AM	Wed 8/30/23 2:00 AM											
165	71450859	49013120CVB011DRVE.GBOX.GBXA	3120-CVB-011						CVB011 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Wed 8/30/23 6:00 AM	Wed 8/30/23 10:00 AM											
166	71450858	49013120CVB011DRVE.GBOX.GBXB	3120-CVB-011						CVB011 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Wed 8/30/23 6:00 AM	Wed 8/30/23 10:00 AM											
167	71634726	49013120CVB011ATTA.WEIG	3120-CVB-011						CVB011 E&I Off-L Weightometer calibration	3 hrs	2	E&I-2	Wed 8/30/23 2:00 AM	Wed 8/30/23 5:00 AM											
182									<b>CVB-001 PRI/CRUSHER OVERLAND CONVEYOR</b>	64 hrs		<b>Tue 8/29/23 12:00 PM</b>	<b>Fri 9/1/23 4:00 AM</b>												
206									<b>Remove scaffold of discharge chute liner inspection</b>	51 hrs			<b>Tue 8/29/23 3:00 PM</b>	<b>Thu 8/31/23 6:00 PM</b>											
209	89154546	49013120CVB001ELEC	3120-CVB-001						CVB001 Drive PM 24W Off-L Elec	10 hrs	2	E&I-2	Wed 8/30/23 10:00 AM	Wed 8/30/23 8:00 PM											
210	89236019	49013120CVB001ELEC	3120-CVB-001						CVB001 Pullcord Insp 52W Off-L Elec	11 hrs	4	E&I-2	Wed 8/30/23 8:00 PM	Thu 8/31/23 7:00 AM											
211	89334162	49013120CVB001ATTA.TAUA	3120-CVB-001						Overland Cvb Winch E&I 24W Off-L Insp	2 hrs	2	E&I-2	Thu 8/31/23 7:00 AM	Thu 8/31/23 9:00 AM											
212	89395373	49013120CVB001ATTA.WEIG	3120-CVB-001						Cvb Belt Scale EI 52W Off-L Clean Insp	2 hrs	2	E&I-2	Thu 8/31/23 9:00 AM	Thu 8/31/23 11:00 AM											
213	89449646	49013120CVB001ELEC	3120-CVB-001						CVB001 Instr PM 24W Off-L Elec	6 hrs	2	E&I-2	Thu 8/31/23 11:00 AM	Thu 8/31/23 5:00 PM											
231									<b>CVB-001 CONVEYOR OFFLINE PM02</b>	37 hrs			<b>Wed 8/30/23 3:00 PM</b>	<b>Fri 9/1/23 4:00 AM</b>											
232	71634724	49013120CVB001ATTA.WEIG	3120-CVB-001						CVB001 E&I Off-L Weightometer calibration	3 hrs	2	E&I-2	Thu 8/31/23 5:00 PM	Thu 8/31/23 8:00 PM											
233	71616662	49013120CVB001DRVE.GBOX.GBXD	3120-CVB-001						CVB001 E&I Off-L Pulley TI sensor location change	4 hrs	2	E&I-2	Thu 8/31/23 8:00 PM	Fri 9/1/23 12:00 AM											
234	71456018	49013120CVB001DRVE.GBOX.GBXA	3120-CVB-001						CVB001 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Fri 9/1/23 12:00 AM	Fri 9/1/23 4:00 AM											
235	71456015	49013120CVB001DRVE.GBOX.GBXB	3120-CVB-001						CVB001 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Fri 9/1/23 12:00 AM	Fri 9/1/23 4:00 AM											
236	71456016	49013120CVB001DRVE.GBOX.GBXC	3120-CVB-001						CVB001 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Fri 9/1/23 12:00 AM	Fri 9/1/23 4:00 AM											
237	71456017	49013120CVB001DRVE.GBOX.GBXD	3120-CVB-001						CVB001 E&I Off-L Check the schematic diagram	4 hrs	2	E&I-2	Fri 9/1/23 12:00 AM	Fri 9/1/23 4:00 AM											
384									<b>TRIPPER CAR COMMISSIONING</b>		3	E&I-2,Mech,Ops	Fri 9/1/23 5:00 AM	Fri 9/1/23 6:00 AM											



Project: PRIMARY CRUSHER SH  
Date: Wed 8/23/23 11:46 AM

Task Summary      Inactive Milestone      Duration-only Start-only External Milestone      Critical Split  
Split Project Summary Inactive Summary Manual Summary Rollup Finish-only Deadline      Progress  
Milestone Inactive Task Manual Task      Manual Summary External Tasks Critical      Manual Progress

## MANPOWER ARRANGEMENT

E&I-3

DAY SHIFT



- UUGANBAYAR BAT-OCHIR 99018434
- BATZORIG GANBAT 99045515
- OTGONBILEG DELGERBAT 88999601
- GALBADRAKH GANBOLD 99478284
- MYAGMARSUREN DAVAADORJ 95102044

## MANPOWER ARRANGEMENT

E&I-4

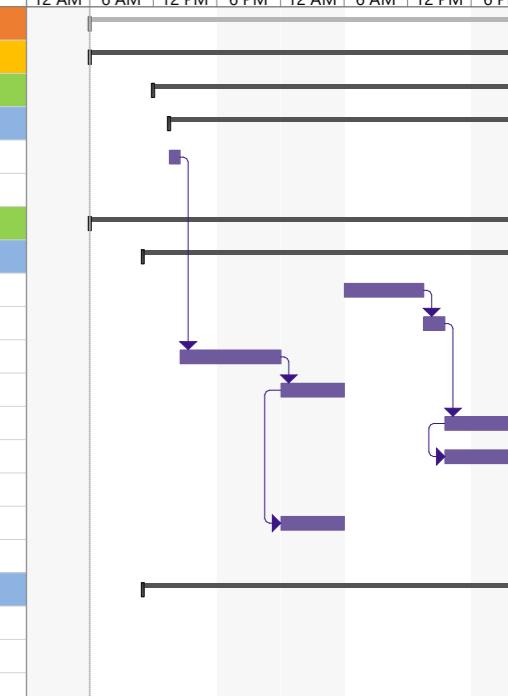
DAY SHIFT



- BAYARMAGNAI SHOOVDOR 99661401
- BYAMBATSOGT ULZIIBAATAR 99949548
- KHURELSUKH PUREVJAV 99044000
- MUNKHNASAN BAYARSAIKHAN 88593959
- ERDENEBILEG ADIYAKHHUU 90034141

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	12 AM	6 AM	12 PM	6 PM
0									<b>PRIMARY CRUSHER SHUTDOWN</b>	94 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Sat 9/2/23 5:00 AM</b>							
140									<b>CONVEYING SYSTEM</b>	70 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Fri 9/1/23 5:00 AM</b>							
182									<b>CVB-001 PRI/CRUSHER OVERLAND CONVEYOR</b>	64 hrs			<b>Tue 8/29/23 12:00 PM</b>	<b>Fri 9/1/23 4:00 AM</b>							
195									<b>CVB001 TAKE UP PULLEY #2 REPLACE</b>	45.5 hrs			<b>Tue 8/29/23 1:30 PM</b>	<b>Thu 8/31/23 11:00 AM</b>							
196	71608840	49013120CVB001ELEM.PULL.TAKE	3120-CVB-001				MH		Disconnect & Remove zero speed sensor	1 hr	2	E&I-3	Tue 8/29/23 1:30 PM	Tue 8/29/23 2:30 PM							
200	71608840	49013120CVB001ELEM.PULL.TAKE	3120-CVB-001				MH		Re-connect & install zero speed sensor	1 hr	2	E&I-3	Thu 8/31/23 3:30 AM	Thu 8/31/23 4:30 AM							
245									<b>CVB-002 STOCKPILE FEED CONVEYOR &amp; TRIPPER CAR</b>	69.5 hrs			<b>Tue 8/29/23 7:30 AM</b>	<b>Fri 9/1/23 5:00 AM</b>							
278									<b>CVB-002 STOCKPILE FEED CONVEYOR OFFLINE PM s</b>	61 hrs			<b>Tue 8/29/23 11:00 AM</b>	<b>Fri 9/1/23 12:00 AM</b>							
284	88888126	49013120SUB001SWG1	3120-SWG-201						6.3kV Vacuum Circ Breaker EI Off-L Service	6 hrs	2	E&I-3	<b>Wed 8/30/23 7:30 AM</b>	<b>Wed 8/30/23 1:30 PM</b>							
285	89334163	49013120CVB002ATTA.TAUA	3120-CVB-002						Overland Cvb Winch E&I 24W Off-L Insp	2 hrs	2	E&I-3	Wed 8/30/23 1:30 PM	Wed 8/30/23 3:30 PM							
286	89463825	49013120CVB002ELEC	3120-CVB-002						CVB002 Drive PM 24W Off-L Elec	10 hrs	2	E&I-3	Tue 8/29/23 2:30 PM	Wed 8/30/23 12:30 AM							
287	89236027	49013120CVB002ELEC	3120-CVB-002						CVB002 Pullcord Insp 52W Off-L Elec	6 hrs	2	E&I-3	Wed 8/30/23 12:30 AM	Wed 8/30/23 6:30 AM							
288	71456180	49013120CVB002DRVE.GBOX.GBXA	3120-CVB-002						CVB002 E&I Off-L Check the schematic diagram	3 hrs	2	E&I-3	Wed 8/30/23 3:30 PM	Wed 8/30/23 6:30 PM							
289	71456181	49013120CVB002DRVE.GBOX.GBXB	3120-CVB-002						CVB002 E&I Off-L Check the schematic diagram	3 hrs	2	E&I-3	Wed 8/30/23 3:30 PM	Wed 8/30/23 6:30 PM							
290	71451220	49013120CVB002DRVE.GBOX.GBXC	3120-CVB-002						CVB002 E&I Off-L Check the schematic diagram	3 hrs	2	E&I-3	Wed 8/30/23 6:30 PM	Wed 8/30/23 9:30 PM							
291	71634382	49013120CVB002ELEC	3120-CVB-002						CVB002 Pullcord Off-L Elec cord fix	7 hrs	2	E&I-3	Wed 8/30/23 12:30 AM	Wed 8/30/23 7:30 AM							
292	71596349	49013120CVB002DRVE.MOTR	3120-CVB-002						CVB002 Motor Off-L Elec deviation sensor cable repair	6 hrs	2	E&I-3	Wed 8/30/23 9:30 PM	Thu 8/31/23 3:30 AM							
300									<b>CVB-002, TRIPPER CAR OFFLINE PM</b>	64 hrs			<b>Tue 8/29/23 11:00 AM</b>	<b>Fri 9/1/23 3:00 AM</b>							
302	89157912	49013120TRC001VCP	3120-TRC-001						TRC_VENDOR PANEL_CLEAN_INSP_EI_24W_Off-L	6 hrs	2	E&I-3	Thu 8/31/23 4:30 AM	Thu 8/31/23 10:30 AM							
303	89279563	49013120CVB002ATTA.TRIP	3120-TRC-001						TRC_INSTRUMENTATION_EI_12W_OFF-L	8 hrs	2	E&I-3	Thu 8/31/23 10:30 AM	Thu 8/31/23 6:30 PM							
304	89418149	49013120CVB002ATTA.TRIP	3120-TRC-001						CVB002 Trc PM 12W Off-L Elec	8 hrs	2	E&I-3	Thu 8/31/23 6:30 PM	Fri 9/1/23 2:30 AM							



Project: PRIMARY CRUSHER SH  
Date: Wed 8/23/23 11:46 AM

Task Summary Inactive Milestone Duration-only Start-only External Milestone Critical Split  
 Split Project Summary Inactive Summary Manual Summary Rollup Finish-only Deadline Progress  
 Milestone Inactive Task Manual Task Manual Summary External Tasks Critical Manual Progress

## MANPOWER ARRANGEMENT

E&I Standby

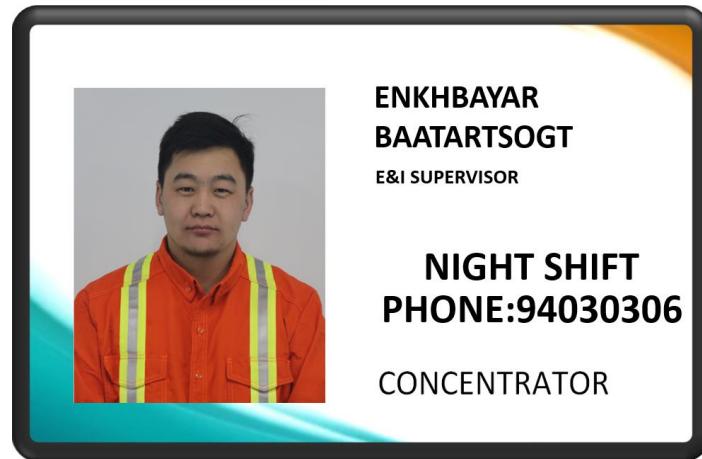
DAY SHIFT



- GANGANJIVAA GOMBO 99902942
- GANTULGA KHAS-OCHIR 99027417

## MANPOWER ARRANGEMENT

### NIGHT SHIFT



- BATZUL TSEREN 99107010
- MUNKHSAIKHAN SANDUI 99343788
- ERDENESAIKHAN ZORIGTBAATAR 88359080
- SHAGDARSUREN OTGONCHULUUN 99405501

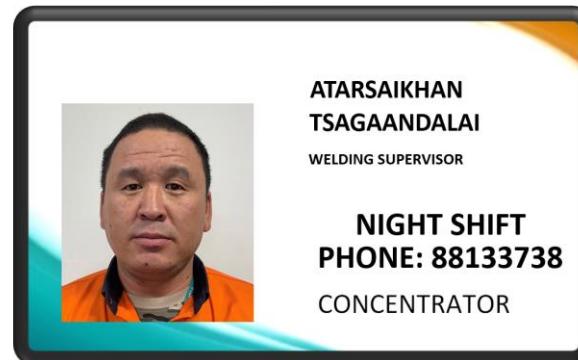
## MANPOWER ARRANGEMENT

### WELD

#### DAY SHIFT



#### NIGHT SHIFT



- BEKHBAT GANBOLD 99069558
- PUREV TUMURBAATAR 99800574
- SARAN SUNDUIKHUU 99997754
- AMARSAIKHAN JAMBALSUREN 95248824
- BATBOLD BANZRAGCH 99167866

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	6 PM	12 AM	12 PM	6 AM	12 PM	6 PM		
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM											
31									PRIMARY CRUSHER	64.5 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 11:30 PM											
33									INSPECTION INNER BUSHING, PISTON WEAR RING	48.5 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 1:30 PM											
47									CHANGE OUT SPIDER BUSHING & REPAIR SPIDER ASSY	7 hrs			Tue 8/29/23 9:30 PM	Wed 8/30/23 4:30 AM											
49	71655642	49013110CRU001SPIR	3110-CRU-001	HW	WH	MH			Repair spider assy and weld wear blocks on spider	6 hrs	1+1	Mech-1,Weld	Tue 8/29/23 10:30 PM	Wed 8/30/23 4:30 AM											
140									CONVEYING SYSTEM	70 hrs			Tue 8/29/23 7:00 AM	Fri 9/1/23 5:00 AM											
245									CVB-002 STOCKPILE FEED CONVEYOR & TRIPPER CAR	69.5 hrs			Tue 8/29/23 7:30 AM	Fri 9/1/23 5:00 AM											
300									CVB-002, TRIPPER CAR OFFLINE PM	64 hrs			Tue 8/29/23 11:00 AM	Fri 9/1/23 3:00 AM											
306	71295629	49013120CVB002ATTA.TRIP	3120-TRC-001	HW	MH				TRC Mech Off-I safety guard install	60 hrs	3	Weld MMS	Tue 8/29/23 11:00 AM	Thu 8/31/23 11:00 PM											

Project: PRIMARY CRUSHER SH	Task	Summary	Inactive Milestone	Duration-only	Start-only	C	External Milestone	Critical Split
Date: Wed 8/23/23 11:51 AM	Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	C	Deadline	Progress
Milestone	◆	Inactive Task	Manual Task	Manual Summary	External Tasks	External	Critical	Manual Progress

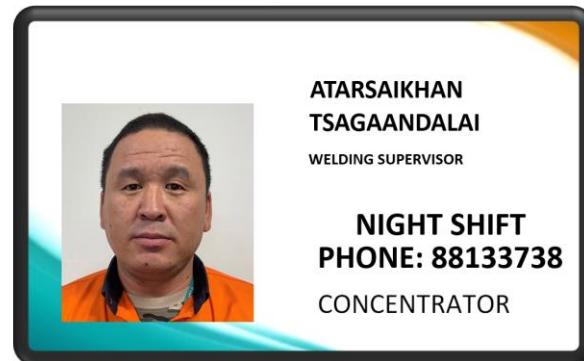
## MANPOWER ARRANGEMENT

### LUBE

#### DAY SHIFT



#### NIGHT SHIFT



- YESUKHEI SUKHBAAATAR 99813771
- MANDAKH NARANANTSETSEG
- SUKHBAT ERDENESAN
- TUMENJARGAL NAMNANSUREN
- OYUNBAT JAMLAI 99751122
- SHINEBAYAR SURENCHIMEG
- JAVZAN BAATARKHUU

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**



Project: PRIMARY CRUSHER SH  
Date: Wed 8/23/23 11:48 AM

## MANPOWER ARRANGEMENT

### RELIABILITY TEAM

#### DAY SHIFT



#### NIGHT SHIFT



- GANBAATAR TSOGJARGAL CM B 99077966
- ENKHTUYA ALTANGEREL CM B 99022492
- MANDAKHBAYAR BATBOLD CM B 99923366
- TURBAT LUVSAN-YONDON CM A 90080330
- ALTANGEREL TSEVEEN CM A 96644504
- IDER CHOGSOM CM A 99908631

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	Wed Aug 30 12 PM	Wed Aug 30 6 PM	Wed Aug 30 12 PM	Wed Aug 30 6 PM							
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM													
31									PRIMARY CRUSHER	64.5 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 11:30 PM													
33									INSPECTION INNER BUSHING, PISTON WEAR RING	48.5 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 1:30 PM													
47									CHANGE OUT SPIDER BUSHING & REPAIR SPIDER ASSY	7 hrs			Tue 8/29/23 9:30 PM	Wed 8/30/23 4:30 AM													
48	71655642	49013110CRU001SPIR	3110-CRU-001		WH				Change out spider bushing (based on inspection)	1 hr	2	CM	Tue 8/29/23 9:30 PM	Tue 8/29/23 10:30 PM													
50									INSPECT INNER BUSHING, PISTON WEAR RING	4.5 hrs			Tue 8/29/23 7:00 PM	Tue 8/29/23 11:30 PM													
52	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS	WH	FO			Measure and inspect inner bushing	0.5 hrs	5	CM,Mech-1	Tue 8/29/23 8:00 PM	Tue 8/29/23 8:30 PM													
53	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS	WH	FO			Inspect the center wear ring	3 hrs	5+2	CM,Mech-1	Tue 8/29/23 8:30 PM	Tue 8/29/23 11:30 PM													
54	71658427	49013110CRU001ECAS.LINR	3110-CRU-001	CS	WH	FO			Cru CM Off-L Concave Liner UT Inspection	1 hr	2	CM	Tue 8/29/23 8:30 PM	Tue 8/29/23 9:30 PM													
55									REPLACE SURGE BIN WALL & REPAIR ARM RIP LINERS	32.5 hrs			Tue 8/29/23 11:00 PM	Thu 8/31/23 7:30 AM													
58	89393868	49013110CRU001BIN2.LINR	3110-BIN-002	CS					Cru CM 12W Off-L Sur Bin/Arm/Case LnrVis	1 hr	2	CM	Tue 8/29/23 11:00 PM	Wed 8/30/23 12:00 AM													
95									ROCK BREAKER PM	17.5 hrs			Tue 8/29/23 3:00 PM	Wed 8/30/23 8:30 AM													
100	89394118	49013110RKB001	3110-RKB-001						Rock Breaker CM 12WK Off-L NDT Insp	2 hrs	2	CM	Wed 8/30/23 12:00 AM	Wed 8/30/23 2:00 AM													
101									APRON FEEDER FDA001 AND MAGNET MGT001	55.5 hrs			Tue 8/29/23 9:30 AM	Thu 8/31/23 5:00 PM													
112									Mech C/O 12W OFF-L Feed Chute Liner	55 hrs			Tue 8/29/23 10:00 AM	Thu 8/31/23 5:00 PM													
115	89393962	49013110CHU001	3110-CHU-001	CS					Feed Chute Liner UT Insp CM 12W Off-L	1 hr	2	CM	Tue 8/29/23 12:30 PM	Tue 8/29/23 1:30 PM													
120									APRON FEEDER DISCHARGE CHUTE REPAIR	33 hrs			Tue 8/29/23 10:00 AM	Wed 8/30/23 7:00 PM													
123	89399098	49013110FDA001DICH.LINR	3110-CHU-002		MH				Disch Chute Liner Off-L CM Inspection ( before)	1 hr	2	CM	Tue 8/29/23 11:00 AM	Tue 8/29/23 12:00 PM													
125	89399098	49013110FDA001DICH.LINR	3110-CHU-002	CS	MH				Disch Chute Liner Off-L CM Inspection (After)	1 hr	2	CM	Wed 8/30/23 6:00 PM	Wed 8/30/23 7:00 PM													
131									APRON FEEDER FDA001 PMs	50.5 hrs			Tue 8/29/23 10:00 AM	Thu 8/31/23 12:30 PM													
137									Apron Feeder ACM OFF-L UT Test Ins	34.5 hrs			Wed 8/30/23 2:00 AM	Thu 8/31/23 12:30 PM													
138	89393869	49013110FDA001	3110-FDA-001						Apron Feeder ACM 12WK OFF-L UT Test Ins	2 hrs	2	CM	Wed 8/30/23 2:00 AM	Wed 8/30/23 4:00 AM													
140									CONVEYING SYSTEM	70 hrs			Tue 8/29/23 7:00 AM	Fri 9/1/23 5:00 AM													
141									CVB-011 PRI/CRUSHER CRUSHER DISCHARGE CONVEYOR	61 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 8:00 PM													
143									Discharge chute repair and Skirt liner change out	51.5 hrs			Tue 8/29/23 10:00 AM	Thu 8/31/23 1:30 PM													
147	89413700	49013120CVB011ATTA.CHUT.DICH	3120-CHU-134	CS		MH			Chu CM Off-L UT Insp Discharge Lnr (before)	0.5 hrs	2	CM	Wed 8/30/23 8:00 AM	Wed 8/30/23 8:30 AM													
149	89413700	49013120CVB011ATTA.CHUT.DICH	3120-CHU-134	CS	MH				Chu CM Off-L UT Insp Discharge Lnr (after)	0.5 hrs	2	CM	Thu 8/31/23 10:00 AM	Thu 8/31/23 10:30 AM													
160									CVB-011 DISCHARGE CONVEYOR OFFLINE PMs	57 hrs			Tue 8/29/23 11:00 AM	Thu 8/31/23 8:00 PM													
168	89393803	49013120CVB011ELEM.BELT	3120-CVB-011						CVB011 Belt UT 12W Off-L PDM	1 hr	2	CM	Wed 8/30/23 4:00 AM	Wed 8/30/23 5:00 AM													
169	89393870	49013120CVB011ELEM.PULL	3120-CVB-011						CVB011 Pulley Lagging Insp 12W Off-L PDM	1 hr	2	CM	Wed 8/30/23 5:00 AM	Wed 8/30/23 6:00 AM													
182									CVB-001 PRI/CRUSHER OVERLAND CONVEYOR	64 hrs			Tue 8/29/23 12:00 PM	Fri 9/1/23 4:00 AM													
184									Discharge chute repair and Skirt liner change out	36.5 hrs			Tue 8/29/23 12:00 PM	Thu 8/31/23 12:30 AM													
188	89413699	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003	CS					Chu CM Off-L UT Insp Discharge Lnr (before)	0.5 hrs	2	CM	Wed 8/30/23 4:30 AM	Wed 8/30/23 5:00 AM													
190	89413699	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003	CS					Chu CM Off-L UT Insp Discharge Lnr (after)	0.5 hrs	2	CM	Wed 8/30/23 11:00 PM	Wed 8/30/23 11:30 PM													
195									CVB001 TAKE UP PULLEY #2 REPLACE	45.5 hrs			Tue 8/29/23 1:30 PM	Thu 8/31/23 11:00 AM													
198	71608840	49013120CVB001ELEM.PULL.TAKE	3120-CVB-001		WH	MH			Install Accelerometer Pulley#2	1 hr	2	CM	Thu 8/31/23 10:00 AM	Thu 8/31/23 11:00 AM													
201									CVB2030 Chu Mech Off-L 12W Liner Insp/CO	5 hrs			Tue 8/29/23 1:00 PM	Tue 8/29/23 6:00 PM													
205	89399278	49011126CVB2030ATT.CHUD	1126-CVB-2030-CI	CS					CVB2030 Chu CM Off-L 12W Liner Vis Insp	1 hr	3	CM	Tue 8/29/23 5:00 PM	Tue 8/29/23 6:00 PM													
206									Remove scaffold of discharge chute liner inspection	51 hrs			Tue 8/29/23 3:00 PM	Thu 8/31/23 6:00 PM													
214	89393871	49013120CVB001ELEM.PULL	3120-CVB-001						CVB001 Pulley Lagging Insp 12W Off-L PDM	1 hr	2	CM	Wed 8/30/23 6:00 AM	Wed 8/30													

## AREA OWNER

### PRIMARY CRUSHER AREA

08.29-08.30 Shift

#### DAY SHIFT



**ENKHBAYAR  
BYAMBASUREN**

OPERATION SUPERVISOR

**DAY SHIFT  
PHONE: 99902915**  
CONCENTRATOR

#### NIGHT SHIFT



**GANZORIG  
TUMURBAATAR**

OPERATION SUPERVISOR

**NIGHT SHIFT  
PHONE: 99355458**  
CONCENTRATOR

## AREA OWNER

### PRIMARY CRUSHER AREA

08.31 Shift

DAY SHIFT



MOKHLOI  
BAYAR  
OPERATION SUPERVISOR

DAY SHIFT  
PHONE: 99012358  
CONCENTRATOR

NIGHT SHIFT



TUNGALAGTAMIR  
SUMIYA

OPERATION SUPERVISOR

NIGHT SHIFT  
PHONE: 99025792  
CONCENTRATOR

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	6 AM	12 PM	Wed Aug 30 12 AM	6 AM	12 PM	6 PM	
0									<b>PRIMARY CRUSHER SHUTDOWN</b>	94 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Sat 9/2/23 5:00 AM</b>								
1									<b>SYSTEM SET-UP AND ISOLATION</b>	8 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Tue 8/29/23 3:00 PM</b>								
2									<b>CLEAN DUMP POCKET,SET SURGE BIN LEVEL AND INSTALL SPILE BAR</b>	5 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Tue 8/29/23 12:00 PM</b>								
4		49013110CRU001	3110-CRU-001						Clean up dump pocket /Use excavator/	1 hr	2	Ops-1	Tue 8/29/23 7:00 AM	Tue 8/29/23 8:00 AM								
5		49013110CRU001	3110-CRU-001						Isolate nuclear sensor	15 mins		Ops, Mech-1,	Tue 8/29/23 7:45 AM	Tue 8/29/23 8:00 AM								
7		49013110CRU001	3110-CRU-001						Install spile bar	1 hr	8	Ops	Tue 8/29/23 8:00 AM	Tue 8/29/23 9:00 AM								
8		49013110CRA001	3110-CRA-001						Clean Dump Pocket, set surge bin level and Install Static line	3 hrs	3	Ops-1	Tue 8/29/23 9:00 AM	Tue 8/29/23 12:00 PM								
10		49013110CRU001BIN2	3110-CRU-001						Clean up loosen ores after open the steel door	1 hr	2	Ops-1	Tue 8/29/23 8:30 AM	Tue 8/29/23 9:30 AM								
11		49013110CRU001BIN2	3110-CRU-001						Vacuum and Clean Surge bin door area	1 hr		Ops-RT-114	Tue 8/29/23 9:00 AM	Tue 8/29/23 10:00 AM								
13									<b>OPERATION TEAM CLEAN UP TASK AT DUMP POCKET</b>	6 hrs			<b>Tue 8/29/23 9:00 AM</b>	<b>Tue 8/29/23 3:00 PM</b>								
14		49013110RKB001	3110-RKB-001						Clean up Rock breaker and swivel spot	6 hrs		Ops-1	Tue 8/29/23 9:00 AM	Tue 8/29/23 3:00 PM								
15		49013110RKB001	3110-RKB-001						Cleanup Control room area and rock breaker area	2 hrs		Ops -Bob Cat	Tue 8/29/23 1:00 PM	Tue 8/29/23 3:00 PM								
16		49013110CRU001BIN1	3110-CRU-001						Vacuum and Clean Control room area	4 hrs		Ops-RT-115	Tue 8/29/23 9:00 AM	Tue 8/29/23 1:00 PM								
17									<b>ISOLATION PRIMARY CRUSHER SYSTEM</b>	3 hrs			<b>Tue 8/29/23 9:30 AM</b>	<b>Tue 8/29/23 12:30 PM</b>								
18									<b>CRU001 &amp; FDA001 ISOLATION</b>	3 hrs			<b>Tue 8/29/23 9:30 AM</b>	<b>Tue 8/29/23 12:30 PM</b>								
19	89417918	49013110CRU001	3110-CRU-001						Isolate CRU , Rock Breaker ,CRA001	0.5 hrs	1+1	IO,E&I,Ops NS	Tue 8/29/23 12:00 PM	Tue 8/29/23 12:30 PM								
20	89417918	49013110FDA001	3110-FDA-001						Isolate Magnet 001 and Postion apron feeder sprocket & Isolate FDA001	0.5 hrs	1+1	IO,E&I,Ops,Mech-2	Tue 8/29/23 9:30 AM	Tue 8/29/23 10:00 AM								
21									<b>ISOLATION CONVEYING SYSTEM</b>	3.5 hrs			<b>Tue 8/29/23 9:30 AM</b>	<b>Tue 8/29/23 1:00 PM</b>								
24									<b>CVB-001, PRIMARY CRUSHER OVERLAND CONVEYOR</b>	2.5 hrs			<b>Tue 8/29/23 10:30 AM</b>	<b>Tue 8/29/23 1:00 PM</b>								
25		49013120CVB001	3120-CVB-001						Lowering counterweight	0.5 hrs		Ops, Monnis	Tue 8/29/23 10:30 AM	Tue 8/29/23 11:00 AM								
27									<b>CVB-002, STOCKPILE FEED CONVEYOR</b>	1 hr			<b>Tue 8/29/23 9:30 AM</b>	<b>Tue 8/29/23 10:30 AM</b>								
28		49013120CVB002	3120-TRC-001	MH					Cleanup TRC MTC bay before positioning	0.5 hrs	2	Ops-4	Tue 8/29/23 9:30 AM	Tue 8/29/23 10:00 AM								
29	89417918	49013120CVB002	3120-TRC-001						Isolate CVB002 , Tripper car	0.5 hrs	1+1	IO,E&I,Ops	Tue 8/29/23 10:00 AM	Tue 8/29/23 10:30 AM								
30	89417918	49013120CVB002	3120-CVB-002						Complete isolate CVB002	0.5 hrs	1+1	IO,E&I,Ops	Tue 8/29/23 10:00 AM	Tue 8/29/23 10:30 AM								
31									<b>PRIMARY CRUSHER</b>	64.5 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Thu 8/31/23 11:30 PM</b>								
32									Get permit and start up job	0.5 hrs		IO,OPS/MTC-Supervisor	Tue 8/29/23 12:30 PM	Tue 8/29/23 1:00 PM								
33									<b>INSPECTION INNER BUSHING, PISTON WEAR RING</b>	48.5 hrs			<b>Tue 8/29/23 1:00 PM</b>	<b>Thu 8/31/23 1:30 PM</b>								
41									<b>OPEN SURGE BIN &amp; BUILD SCAFFOLD</b>	10 hrs			<b>Tue 8/29/23 1:00 PM</b>	<b>Tue 8/29/23 11:00 PM</b>								
43	89371984	49013110CRU001BIN2.LINR	3110-BIN-002						Clean up loose ores after wooden dunnage removal	1 hr	2	Ops-2	Tue 8/29/23 2:00 PM	Tue 8/29/23 3:00 PM								
44	89371984	49013110CRU001BIN2.LINR	3110-BIN-002						Clean dirts at Surge bin door VC	1 hr	3	Ops-RT-115	Tue 8/29/23 2:00 PM	Tue 8/29/23 3:00 PM								
45	89371984	49013110CRU001BIN2.LINR	3110-BIN-002	CS		FO			Make surge bin level evenly for erecting scaffold	0.5 hrs	2	Ops-2	Tue 8/29/23 7:00 PM	Tue 8/29/23 7:30 PM								
64									<b>PRESTART TASKS</b>	3 hrs			<b>Thu 8/31/23 1:30 PM</b>	<b>Thu 8/31/23 4:30 PM</b>								
67	71655642	49013110CRU001MASH.LINR	3110-CRU-001						Cru El Off-l Mantle Pos calibration	1.5 hrs	2	Met,E&I ,IO, Ops	Thu 8/31/23 3:00 PM	Thu 8/31/23 4:30 PM								
101									<b>APRON FEEDER FDA001 AND MAGNET MGT001</b>	55.5 hrs			<b>Tue 8/29/23 9:30 AM</b>	<b>Thu 8/31/23 5:00 PM</b>								
102									Get permit and start up job	0.5 hrs		IO,OPS/MTC-Supervisor	Tue 8/29/23 9:30 AM	Tue 8/29/23 10:00 AM								
103									<b>Cru Mech Off-L 36W FDA Sprocket reverse</b>	47 hrs			<b>Tue 8/29/23 10:30 AM</b>	<b>Thu 8/31/23 9:30 AM</b>								
106									<b>2st position</b>	2.5 hrs			<b>Wed 8/30/23 6:30 PM</b>	<b>Wed 8/30/23 9:00 PM</b>								
107	89021370	49013110FDA001ELEM.SPRO	3110-FDA001						De-isolate & run to second position & Isolate	0.5 hrs		Ops, E&I, IO	<b>Wed 8/30/23 6:30 PM</b>	<b>Wed 8/30/23 7:00 PM</b>								
109									<b>3st position</b>	2.5 hrs			<b>Thu 8/31/23 7:00 AM</b>	<b>Thu 8/31/23 9:30 AM</b>								
110	89021370	49013110FDA001ELEM.SPRO	3110-FDA001						De-isolate & run to third position & Isolate	0.5 hrs		Ops, E&I, IO	<b>Thu 8/31/23 7:00 AM</b>	<b>Thu 8/31/23 7:30 AM</b>								
112									<b>Mech C/O 12W OFF-L Feed Chute Liner</b>	55 hrs			<b>Tue 8/29/23 10:00 AM</b>	<b>Thu 8/31/23 5:00 PM</b>								
119		49013110CHU001	3110-CHU-001	MH				</td														

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	6 AM	12 PM	6 PM	Wed Aug 30 12 AM	6 AM	12 PM	6 PM				
175									OPERATION TEAM CLEAN UP TASK AT CVB011	20.5 hrs			Tue 8/29/23 7:00 AM	Wed 8/30/23 3:30 AM												
176		49013120CVB011	3120-CVB-011				MH		Cleanup CVB011 belts scale area	0.5 hrs	3	Ops-3	Tue 8/29/23 11:00 AM	Tue 8/29/23 11:30 AM												
177		49013120CVB011	3120-CVB-011				MH		Cleanup leakage at tunnel under rollers CVB011	4 hrs	2	Ops-3	Tue 8/29/23 11:30 AM	Tue 8/29/23 3:30 PM												
178		49013120CVB011	3120-CVB-011						Clean up dirts between CVB011& CVB001 Cable tray	6 hrs	3	Ops-3	Tue 8/29/23 3:30 PM	Tue 8/29/23 9:30 PM												
179		49013120CVB011	3120-CVB-011				MH		Cleanup dirts at tunnel CVB011 by Bobcat	6 hrs	1+1	Ops-3	Tue 8/29/23 9:30 PM	Wed 8/30/23 3:30 AM												
180		49013120CVB011	3120-CVB-011						Vacuum CVB001 tail pulley side and under CVB011 discharge and transfer chute	3 hrs	3	Ops-RT-114	Tue 8/29/23 10:00 AM	Tue 8/29/23 1:00 PM												
181		49013120CVB011	3120-CVB-011				MH		Vacuum dirt inside yellow fence CVB011 C/Weight by VC	4 hrs	3	Ops-RT-115	Tue 8/29/23 7:00 AM	Tue 8/29/23 11:00 AM												
182									CVB-001 PRI/CRUSHER OVERLAND CONVEYOR	64 hrs			Tue 8/29/23 12:00 PM	Fri 9/1/23 4:00 AM												
184									Discharge chute repair and Skirt liner change out	36.5 hrs			Tue 8/29/23 12:00 PM	Thu 8/31/23 12:30 AM												
187	89413699	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003	CS			MH		Clean up discharge chute (Remove all dirt from chute)	10 hrs	3	Ops-2	Tue 8/29/23 6:30 PM	Wed 8/30/23 4:30 AM												
241									OPERATION TEAM CLEAN UP TASK AT CVB001	9 hrs				Wed 8/30/23 4:30 AM	Wed 8/30/23 1:30 PM											
242		49013120CVB001	3120-CVB-001				MH		CVB001 Take up pulley & built-up under the rollers	3 hrs	3	Ops-2	Wed 8/30/23 4:30 AM	Wed 8/30/23 7:30 AM												
243		49013120CVB001	3120-CVB-001				MH		Cleanup motor areas&Remove rocks from the conveyor structure	6 hrs	3	Ops-2	Wed 8/30/23 7:30 AM	Wed 8/30/23 1:30 PM												
244		49013120CVB001	3120-CVB-001				MH		Vacuum up necessary CVB001 areas near Motor scrapers	6 hrs	3	Ops-RT-114	Wed 8/30/23 7:00 AM	Wed 8/30/23 1:00 PM												
245									CVB-002 STOCKPILE FEED CONVEYOR & TRIPPER CAR	69.5 hrs				Tue 8/29/23 7:30 AM	Fri 9/1/23 5:00 AM											
262									TRIPPER CAR CHANGE DISCHARGE CHUTE REPAIR	22.5 hrs				Thu 8/31/23 4:00 AM	Fri 9/1/23 2:30 AM											
263		49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004	CS			MH		Clean up discharge chute	10 hrs	3	Ops-4	Thu 8/31/23 4:00 AM	Thu 8/31/23 2:00 PM												
367									OPERATION TEAM CLEAN UP TASK AT CVB002	66 hrs				Tue 8/29/23 11:00 AM	Fri 9/1/23 5:00 AM											
368		49013120CVB002	3120-TRC-001				MH		Cleanup from tail & to head pulley area clean dirts under rollers	7 hrs	3	Ops-4	Wed 8/30/23 9:00 PM	Thu 8/31/23 4:00 AM												
369		49013120CVB002	3120-CVB-002				MH		Cleanup TRC rail and inside the mesh	9 hrs	3	Ops-4	Thu 8/31/23 2:00 PM	Thu 8/31/23 11:00 PM												
370		49013120CVB002	3120-CVB-002				MH		Cleanup Tripper car railway to protect zero switch sensor	2 hrs	3	Ops-4	Thu 8/31/23 11:00 PM	Fri 9/1/23 1:00 AM												
371		49013120CVB002	3120-CVB-002				MH		Vacuum up motor areas and under the CounterWeight area	6 hrs	3	Ops-RT-115	Wed 8/30/23 7:00 AM	Wed 8/30/23 1:00 PM												
373									DE-ISOLATION AND HAND OVER	36 hrs				Thu 8/31/23 5:00 PM	Sat 9/2/23 5:00 AM											
374									Verify and Reset all safety device	4 hrs	4	Ops-1	Fri 9/1/23 2:00 AM	Fri 9/1/23 6:00 AM												
375		49013110CRU001	3110-CRU-001						IO Walkdown for Hand over & Deisolation of PC	0.5 hrs	4	IO,E/I,Ops,Mech-1	Thu 8/31/23 11:30 PM	Fri 9/1/23 12:00 AM												
376		49013110FDA001	3110-FDA-001						IO Walkdown for Hand over & Deisolation Apron feeder	0.5 hrs	4	IO,E/I,Ops,Mech-2	Thu 8/31/23 5:00 PM	Thu 8/31/23 5:30 PM												
377		49013110FDA001	3110-FDA-001						De-Isolate nuclear sensor and Remove spile bar	1.5 hrs	8	Ops	Thu 8/31/23 5:00 PM	Thu 8/31/23 6:30 PM												
378		49013120CVB011	3120-CVB-011						IO Walkdown for Hand over& Deisolation of CVB011	1 hr	4	IO,E/I,Ops,Mech-3	Thu 8/31/23 8:00 PM	Thu 8/31/23 9:00 PM												
380		49013120CVB001	3120-CVB-001						IO Walkdown for Hand over& Deisolation of CVB001	1 hr	4	IO,E/I,Ops,Mech-3	Fri 9/1/23 4:00 AM	Fri 9/1/23 5:00 AM												
382		49013120CVB002	3120-CVB-002						IO Walkdown for Hand over& Deisolation of CVB002	0 hrs	4	IO,E/I,Ops,Mech-3	Sat 9/2/23 5:00 AM	Sat 9/2/23 5:00 AM												
383									APRON FEEDER COMMISSIONING		3	E&I-Mech,Ops	Thu 8/31/23 5:30 PM	Thu 8/31/23 6:30 PM												
384									TRIPPER CAR COMMISSIONING		3	E&I-2,Mech,Ops	Fri 9/1/23 5:00 AM	Fri 9/1/23 6:00 AM												

Project: PRIMARY CRUSHER SH  
Date: Wed 8/23/23 11:56 AM

Task Summary      Inactive Milestone      Duration-only Start-only External Milestone      Critical Split  
Split Project Summary Inactive Summary Manual Summary Rollup Finish-only Deadline      Progress  
Milestone Inactive Task Manual Task Manual Summary External Tasks Critical      Manual Progress

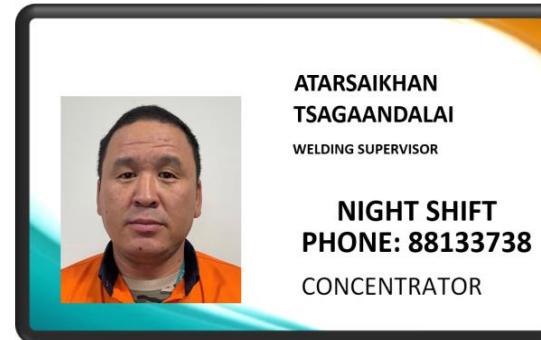
## MANPOWER ARRANGEMENT

### GOBI WELDING

#### DAY SHIFT



#### NIGHT SHIFT



- BATTULGA ZORIGTBAATAR UTIL WELD 99244992
- TUVSHINBAYAR BORKHUU UTIL WELD 95100788
- NATSAGDORJ DORJJANTSAN UTIL WELD 89191979
- DULBAYAR BATTULGA UTIL WELD 99142896

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	6 AM	12 PM	6 PM	Wed Aug 30 12 AM	6 AM	12 PM	6 PM	
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM									
31									PRIMARY CRUSHER	64.5 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 11:30 PM									
70									PRIMARY CRUSHER PMs	58.5 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 11:30 PM									
71									PRIMARY CRUSHER PM02	44 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 9:00 AM									
72	71633920	49013100BLD011	3110-BIN-001	HW	MH				Control room platform support repair	8 hrs	3	Gobi Weld, Scaffold	Wed 8/30/23 12:00 AM	Wed 8/30/23 8:00 AM									
74									APPLETON CRANE SERVICE	58.5 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 11:30 PM									
84	71585359	49013110CRA001	3110-CRA-001	HW	MH				Appleton crane west side protation wall for repair	11 hrs	3	Gobi weld, Rig	Tue 8/29/23 1:00 PM	Wed 8/30/23 12:00 AM									

Project: PRIMARY CRUSHER SH Date: Wed 8/23/23 11:50 AM	Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Critical Split
	Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline	Progress
	Milestone	Inactive Task	Manual Task	Manual Summary	External Tasks	Critical	Manual Progress

## OTHER TEAMS

### CRANE & RIGGING DAY SHIFT

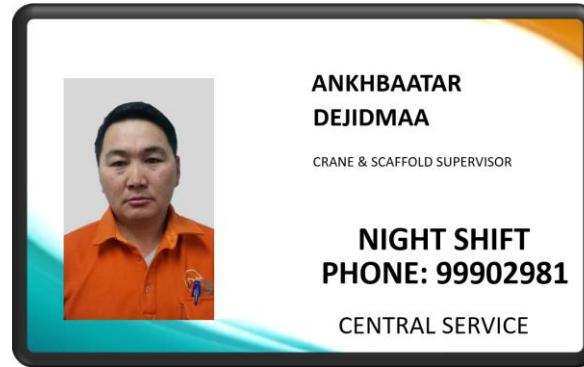


- TUMURKHUYAG JODOV CRANE OPERATOR
- ERDENE-OCHIR OYUN-ERDENE CRANE OPERATOR
- TAIVANBAATAR BAYARTSOG CRANE OPERATOR
- GANZORIG GONGOR RIGGER & SCAFFOLDER
- ERDEM BALDAN RIGGER & SCAFFOLDER
- ENKHTUVSHIN PALAMDORJ RIGGER & SCAFFOLDER
- ERDENEBAATAR DORJ RIGGER & SCAFFOLDER
- TSERENNOROV BATBAYAR RIGGER & SCAFFOLDER

## OTHER TEAMS

# CRANE & RIGGING

## NIGHT SHIFT



- 
- ERDENETSOGT UYANGA CRANE OPERATOR
  - BATZAYA PUREVJAL CRANE OPERATOR
  - LKHAGVADORJ BAATARSUREN CRANE OPERATOR
  - BATBAYAR TSEDENBAL RIGGER & SCAFFOLDER
  - BATBEKH BALJIR RIGGER & SCAFFOLDER
  - BATKHUREL KHUVUUSH RIGGER & SCAFFOLDER
  - ANKHBAYAR BATDORJ RIGGER & SCAFFOLDER
-

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	6 PM								
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM																
31									PRIMARY CRUSHER	64.5 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 11:30 PM																
33									INSPECTION INNER BUSHING, PISTON WEAR RING	48.5 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 1:30 PM																
34									REMOVE SPIDER ASSY AND MAINSHAFT ASSY	6 hrs			Tue 8/29/23 1:00 PM	Tue 8/29/23 7:00 PM																
35									REMOVE SPIDER ASSY	3 hrs			Tue 8/29/23 1:00 PM	Tue 8/29/23 4:00 PM																
36	71655642	49013110CRU001HYST.CYLD	3110-CRU-001		WH	MH			Install platform & spider stand	0.5 hrs	7+4	Mech-1,Rig	Tue 8/29/23 1:00 PM	Tue 8/29/23 1:30 PM																
37	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS		MH			Remove spider cap and Spider and disconnect grease pipe	1 hr	7+4	Mech-1,Rig	Tue 8/29/23 1:30 PM	Tue 8/29/23 2:30 PM																
38	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS		MH			Remove spider assembly	1.5 hrs	7+4	Mech-1,Rig	Tue 8/29/23 2:30 PM	Tue 8/29/23 4:00 PM																
39									REMOVE MAINSHAFT ASSY	3 hrs			Tue 8/29/23 4:00 PM	Tue 8/29/23 7:00 PM																
40	71655642	49013110CRU001HYST.CYLD	3110-CRU-001	CS		MH			Rig out main shaft Off-L Mantle Liner	3 hrs	7+4	Mech-1,Rig	Tue 8/29/23 4:00 PM	Tue 8/29/23 7:00 PM																
59									INSTALL MANTLE AND SPIDER ASSY	6 hrs				Thu 8/31/23 7:30 AM	Thu 8/31/23 1:30 PM															
61	71655642	49013110CRU001MASH.LINR	3110-CRU-001	CS		MH			Re-Install Cru Mech Off-L Mantle Liner	3 hrs	6+4	Mech-1,Rig	Thu 8/31/23 7:30 AM	Thu 8/31/23 10:30 AM																
62	71655642	49013110CRU001SPIR	3110-CRU-001	CS		MH			Install spider assembly and connect grease pipe	2 hrs	6+4	Mech-1,Rig	Thu 8/31/23 10:30 AM	Thu 8/31/23 12:30 PM																
63	71655642	49013110CRU001SPIR	3110-CRU-001	CS		MH			Add grease spider cap and install spider cap	1 hr	6+4	Mech-1,Rig	Thu 8/31/23 12:30 PM	Thu 8/31/23 1:30 PM																
64									PRESTART TASKS	3 hrs				Thu 8/31/23 1:30 PM	Thu 8/31/23 4:30 PM															
69	89399389	49013110CRU001MASH.LINR	3110-CRU-001	CS					Remove safety hard barricade, safety stair and static line	0.5 hrs	3+4	Mech-1,Rig	Thu 8/31/23 3:30 PM	Thu 8/31/23 4:00 PM																
70									PRIMARY CRUSHER PMs	58.5 hrs				Tue 8/29/23 1:00 PM	Thu 8/31/23 11:30 PM															
74									APPLETON CRANE SERVICE	58.5 hrs				Tue 8/29/23 1:00 PM	Thu 8/31/23 11:30 PM															
84	71585359	49013110CRA001	3110-CRA-001	HW		MH			Appleton crane west side protation wall for repair	11 hrs	3	Gobi weld, Rig	Tue 8/29/23 1:00 PM	Wed 8/30/23 12:00 AM																
140									CONVEYING SYSTEM	70 hrs				Tue 8/29/23 7:00 AM	Fri 9/1/23 5:00 AM															
141									CVB-011 PRI/CRUSHER CRUSHER DISCHARGE CONVEYOR	61 hrs				Tue 8/29/23 7:00 AM	Thu 8/31/23 8:00 PM															
153									CVB-011 MECH OFF-L DRIVE GEARBOX B REPLACE	23 hrs				Tue 8/29/23 11:00 AM	Wed 8/30/23 10:00 AM															
155	71472992	49013120CVB011DRVE.GBOX.GBXB	3120-CVB-011			MH			CVB011 MECH OFF-L DRIVE GEARBOX B REPLACE	16 hrs	6	Mech-3, Rig	Tue 8/29/23 12:00 PM	Wed 8/30/23 4:00 AM																
245									CVB-002 STOCKPILE FEED CONVEYOR & TRIPPER CAR	69.5 hrs				Tue 8/29/23 7:30 AM	Fri 9/1/23 5:00 AM															
247									CVB002 FLUID COUPLING A 2Y Oil REPLACE	5 hrs				Tue 8/29/23 11:00 AM	Tue 8/29/23 4:00 PM															
248	89553726	49013120CVB002FDCA	3120-CVB-002			MH			Remove cover	0.5 hrs	2	Rig	Tue 8/29/23 11:00 AM	Tue 8/29/23 11:30 AM																
251	89553726	49013120CVB002FDCA	3120-CVB-002			MH			Re-install cover	0.5 hrs	2	Rig	Tue 8/29/23 3:30 PM	Tue 8/29/23 4:00 PM																
252									CVB002 FLUID COUPLING B 2Y Oil REPLACE	11.5 hrs				Tue 8/29/23 11:30 AM	Tue 8/29/23 11:00 PM															
253	89553727	49013120CVB002FDCB	3120-CVB-002			MH			Remove cover	0.5 hrs	2	Rig	Tue 8/29/23 11:30 AM	Tue 8/29/23 12:00 PM																
256	89553727	49013120CVB002FDCB	3120-CVB-002			MH			Re-install cover	0.5 hrs	2	Rig	Tue 8/29/23 10:30 PM	Tue 8/29/23 11:00 PM																
257									CVB002 FLUID COUPLING C 2Y Oil REPLACE	15 hrs				Tue 8/29/23 12:00 PM	Wed 8/30/23 3:00 AM															
258	89553728	49013120CVB002FDCC	3120-CVB-002			MH			Remove cover	0.5 hrs	2	Rig	Tue 8/29/23 12:00 PM	Tue 8/29/23 12:30 PM																
261	89553728	49013120CVB002FDCC	3120-CVB-002			MH			Re-install cover	0.5 hrs	2	Rig	Wed 8/30/23 2:30 AM	Wed 8/30/23 3:00 AM																



**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	Wed Aug 30 12 PM	Wed Aug 30 6 PM
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM				
31									PRIMARY CRUSHER	64.5 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 11:30 PM				
33									INSPECTION INNER BUSHING, PISTON WEAR RING	48.5 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 1:30 PM				
41									OPEN SURGE BIN & BUILD SCAFFOLD	10 hrs			Tue 8/29/23 1:00 PM	Tue 8/29/23 11:00 PM				
46	89371984	49013110CRU001BIN2.LINR	3110-BIN-002	CS		MH	FO		Erect scaffold for surge bin Wall & Arm rip liner	4 hrs	4	Scaffold	Tue 8/29/23 7:00 PM	Tue 8/29/23 11:00 PM				
64									PRESTART TASKS	3 hrs			Thu 8/31/23 1:30 PM	Thu 8/31/23 4:30 PM				
65	89399389	49013110CRU001BIN2.LINR	3110-BIN-002	CS		MH	FO		Dismantle scaffold inside Surge bin	1.5 hrs	4	Scaffold	Thu 8/31/23 1:30 PM	Thu 8/31/23 3:00 PM				
70									PRIMARY CRUSHER PMs	58.5 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 11:30 PM				
71									PRIMARY CRUSHER PM02	44 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 9:00 AM				
72	71633920	49013100BLD011	3110-BIN-001	HW		MH			Control room platform support repair	8 hrs	3	Gobi Weld, Scaffold	Wed 8/30/23 12:00 AM	Wed 8/30/23 8:00 AM				
74									APPLETON CRANE SERVICE	58.5 hrs			Tue 8/29/23 1:00 PM	Thu 8/31/23 11:30 PM				
75									Appleton crane Monnis hook replace	16 hrs			Thu 8/31/23 7:30 AM	Thu 8/31/23 11:30 PM				
76	71323745	49013110CRA001	3110-CRA-001		WH	MH			Erect scaffold to platform	2 hrs	4	Scaffold	Thu 8/31/23 7:30 AM	Thu 8/31/23 9:30 AM				
81	71323745	49013110CRA001	3110-CRA-001		WH	MH			Remove scaffold to platform	2 hrs	4	Scaffold	Thu 8/31/23 9:30 PM	Thu 8/31/23 11:30 PM				
82	71333274	49013110CRA001	3110-CRA-001			MH			Appleton swin cover protection weld repair	10 hrs	2+3	Monnis, Scaffold	Wed 8/30/23 8:00 AM	Wed 8/30/23 6:00 PM				
101									APRON FEEDER FDA001 AND MAGNET MGT001	55.5 hrs			Tue 8/29/23 9:30 AM	Thu 8/31/23 5:00 PM				
112									Mech C/O 12W OFF-L Feed Chute Liner	55 hrs			Tue 8/29/23 10:00 AM	Thu 8/31/23 5:00 PM				
114	89407259	49013110CHU001	3110-CHU-001	CS					Build scaffold of change out feed chute liner	2 hrs	4	Scaffold	Tue 8/29/23 10:30 AM	Tue 8/29/23 12:30 PM				
117	89407259	49013110CHU001	3110-CHU-001	CS		MH			Remove scaffold of change out feed chute liner	1 hr	4	Scaffold	Wed 8/30/23 5:30 PM	Wed 8/30/23 6:30 PM				
120									APRON FEEDER DISCHARGE CHUTE REPAIR	33 hrs			Tue 8/29/23 10:00 AM	Wed 8/30/23 7:00 PM				
121	89399119	49013110FDA001DICH.LINR	3110-CHU-002		WH				Build access of Discharge chute repair skirt liner	1 hr	3	Scaffold	Tue 8/29/23 10:00 AM	Tue 8/29/23 11:00 AM				
127	89399098	49013110FDA001DICH.TRAN	3110-CHU-002						Remove access of Discharge chute repair FDA001	0.5 hrs	3	Scaffold	Wed 8/30/23 6:00 PM	Wed 8/30/23 6:30 PM				
140									CONVEYING SYSTEM	70 hrs			Tue 8/29/23 7:00 AM	Fri 9/1/23 5:00 AM				
141									CVB-011 PRI/CRUSHER CRUSHER DISCHARGE CONVEYOR	61 hrs			Tue 8/29/23 7:00 AM	Thu 8/31/23 8:00 PM				
143									Discharge chute repair and Skirt liner change out	51.5 hrs			Tue 8/29/23 10:00 AM	Thu 8/31/23 1:30 PM				
145	89413700	49013120CVB011ATTA.CHUT.DICH	3120-CHU-134	CS		MH			Buid inside the scaffold for Cleaning	1 hr	3	Scaffold	Tue 8/29/23 10:00 AM	Tue 8/29/23 11:00 AM				
150	89399117	49013120CVB011ATTA.CHUT.DICH	3120-CHU-134	CS	WH	MH			Erect scaffold for skirting tasks and Static line	2 hrs	4	Scaffold	Thu 8/31/23 10:30 AM	Thu 8/31/23 12:30 PM				
152	89413700	49013120CVB011ATTA.CHUT.DICH	3120-CHU-134	CS	WH	MH			Remove Skirt scaffold	1 hr	4	Scaffold	Thu 8/31/23 12:30 PM	Thu 8/31/23 1:30 PM				
160									CVB-011 DISCHARGE CONVEYOR OFFLINE PMs	57 hrs			Tue 8/29/23 11:00 AM	Thu 8/31/23 8:00 PM				
171	89413696	49013120CVB011ELEM.TFAI	3120-CVB-011			MH			Over/Conv rollers Off-L Insp & C.O /If need build scaffold/	5 hrs	7	MMS-1 ,Scaffold	Thu 8/31/23 3:00 PM	Thu 8/31/23 8:00 PM				
182									CVB-001 PRI/CRUSHER OVERLAND CONVEYOR	64 hrs			Tue 8/29/23 12:00 PM	Fri 9/1/23 4:00 AM				
184									Discharge chute repair and Skirt liner change out	36.5 hrs			Tue 8/29/23 12:00 PM	Thu 8/31/23 12:30 AM				
186	89413699	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003	CS		MH			Buid inside the scaffold for Cleaning	0.5 hrs	3	Scaffold	Tue 8/29/23 6:00 PM	Tue 8/29/23 6:30 PM				
191	89399118	49013120CVB001ATTA.CHUT.TRAN	3120-CHU-063			MH			Erect scaffold for skirting tasks	2 hrs	3	Scaffold	Tue 8/29/23 12:00 PM	Tue 8/29/23 2:00 PM				
194	89413699	49013120CVB001ATTA.CHUT.DICH	3120-CHU-003		WH	MH			Remove all scaffold	1 hr	4	Scaffold	Wed 8/30/23 11:30 PM	Thu 8/31/23 12:30 AM				
201									CVB2030 Chu Mech Off-L 12W Liner Insp/CO	5 hrs			Tue 8/29/23 1:00 PM	Tue 8/29/23 6:00 PM				
202	89399278	49011126CVB2030ATT.CHUD	1126-CVB-2030-CI	CS		MH			Erect scaffold in CVB2030 discharge chute	2 hrs	3	Scaffold	Tue 8/29/23 1:00 PM	Tue 8/29/23 3:00 PM				
206									Remove scaffold of discharge chute liner inspection	51 hrs			Tue 8/29/23 3:00 PM	Thu 8/31/23 6:00 PM				
220	89413694	49013120CVB001ELEM.TFAI	3120-CVB-001			MH			Over/Conv rollers Off-L Insp & C.O /If need build scaffold/	3 hrs	6	MMS-3, Scaffold	Wed 8/30/23 5:00 AM	Wed 8/30/23 8:00 AM				
245									CVB-002 STOCKPILE FEED CONVEYOR & TRIPPER CAR	69.5 hrs			Tue 8/29/23 7:30 AM	Fri 9/1/23 5:00 AM				
267									CHANGE OUT WEST TROUSER CHUTE	52 hrs			Tue 8/29/23 11:00 AM	Thu 8/31/23 3:00 PM				
268									CVB002 Trous/Chut-West C/O 12W Off-L MMS	52 hrs			Tue 8/29/23 11:00 AM	Thu 8/31/23 3:00 PM				
269	8939911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004		WH	MH			Build scaffold outside chute	1 hr	4	Scaffold	Tue 8/29/23 11:00 AM	Tue 8/29/23 12:00 PM				
271	8939911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004						Remove scaffold outside chute	1 hr	4	Scaffold	Tue 8/29/23 9:00 PM	Tue 8/29/23 10:00 PM				
274	8939911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004						Build scaffold outside chute for installing chute	1 hr	4	Scaffold	Wed 8/30/23 2:00 AM	Wed 8/30/23 3:00 AM				
277	8939911	49013120CVB002ATTA.TRIP.DCHT	3120-CHU-004						Remove scaffold outside chute	1 hr	4	Scaffold	Thu 8/31/23 2:00 PM	Thu 8/31/23 3:00 PM				
278									CVB-002 STOCKPILE FEED CONVEYOR OFFLINE PM s	6								

## OTHER TEAMS

### MONNIS

#### DAY SHIFT

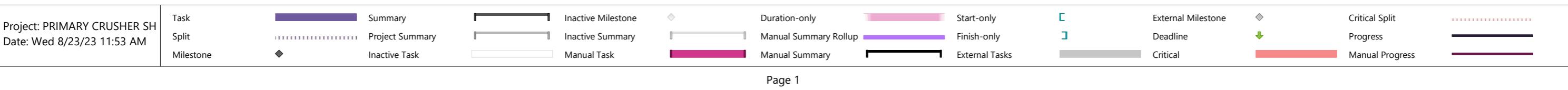


#### NIGHT SHIFT



**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	6 PM									
0									<b>PRIMARY CRUSHER SHUTDOWN</b>	94 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Sat 9/2/23 5:00 AM</b>																	
1									<b>SYSTEM SET-UP AND ISOLATION</b>	8 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Tue 8/29/23 3:00 PM</b>																	
12	89407295	49013110CRA001	3110-CRA-001						Inspection and Cleaning CRA001 (Appleton Crane)	6 hrs	3	Monnis,IO	Tue 8/29/23 7:00 AM	Tue 8/29/23 1:00 PM																	
31									<b>PRIMARY CRUSHER</b>	64.5 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Thu 8/31/23 11:30 PM</b>																	
70									<b>PRIMARY CRUSHER PMs</b>	58.5 hrs			<b>Tue 8/29/23 1:00 PM</b>	<b>Thu 8/31/23 11:30 PM</b>																	
74									<b>APPLETON CRANE SERVICE</b>	58.5 hrs			<b>Tue 8/29/23 1:00 PM</b>	<b>Thu 8/31/23 11:30 PM</b>																	
75									Appleton crane Monnis hook replace	16 hrs			<b>Thu 8/31/23 7:30 AM</b>	<b>Thu 8/31/23 11:30 PM</b>																	
77	71323745	49013110CRA001	3110-CRA-001		WH	MH			Remove anti block device	1 hr	6	Monnis, Genie	Thu 8/31/23 9:30 AM	Thu 8/31/23 10:30 AM																	
78	71323745	49013110CRA001	3110-CRA-001		WH	MH			Remove old hook for rope	5 hrs	6	Monnis	Thu 8/31/23 10:30 AM	Thu 8/31/23 3:30 PM																	
79	71323745	49013110CRA001	3110-CRA-001		WH	MH			Re-install new hook to rope	5 hrs	6	Monnis	Thu 8/31/23 3:30 PM	Thu 8/31/23 8:30 PM																	
80	71323745	49013110CRA001	3110-CRA-001		WH	MH			Re-install anti block device	1 hr	6	Monnis, Genie	Thu 8/31/23 8:30 PM	Thu 8/31/23 9:30 PM																	
82	71333274	49013110CRA001	3110-CRA-001			MH			Appleton swin cover protection weld repair	10 hrs	2+3	Monnis, Scaffold	Wed 8/30/23 8:00 AM	Wed 8/30/23 6:00 PM																	
83	88953476	49013110CRA001	3110-CRA-001						CRA001 Inspection 12 Month SHDN	3 hrs	2	Monnis	Thu 8/31/23 7:30 AM	Thu 8/31/23 10:30 AM																	
140									<b>CONVEYING SYSTEM</b>	70 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Fri 9/1/23 5:00 AM</b>																	
141									<b>CVB-011 PRI/CRUSHER CRUSHER DISCHARGE CONVEYOR</b>	61 hrs			<b>Tue 8/29/23 7:00 AM</b>	<b>Thu 8/31/23 8:00 PM</b>																	
160									<b>CVB-011 DISCHARGE CONVEYOR OFFLINE PMs</b>	57 hrs			<b>Tue 8/29/23 11:00 AM</b>	<b>Thu 8/31/23 8:00 PM</b>																	
172	89249970	49013120CVB011ATTA	3120-CVB-011						CVB011 Winch Wire Rope 1Y Off-L NDT SHDN	4 hrs	3	Monnis	Tue 8/29/23 11:00 AM	Tue 8/29/23 3:00 PM																	
173	110017099	49013120CVB011ATTA	3120-CVB-011			MH			CVB011 Winch 24W Off-L INSP/Lube SHDN	4 hrs	3	Monnis	Tue 8/29/23 11:00 AM	Tue 8/29/23 3:00 PM																	
174	89371137	49013120CVB011ATTA.TAUA	3120-CVB-011			MH			Take Up Winch Lube 52W Off-L Oil SHDN	4 hrs	3	Monnis	Tue 8/29/23 11:00 AM	Tue 8/29/23 3:00 PM																	
182									<b>CVB-001 PRI/CRUSHER OVERLAND CONVEYOR</b>	64 hrs			<b>Tue 8/29/23 12:00 PM</b>	<b>Fri 9/1/23 4:00 AM</b>																	
206									<b>Remove scaffold of discharge chute liner inspection</b>	51 hrs			<b>Tue 8/29/23 3:00 PM</b>	<b>Thu 8/31/23 6:00 PM</b>																	
229	110017096	49013120CVB001ATTA	3120-CVB-001			MH			CVB001 Winch 24W Off-L INSP/Lube SHDN	4 hrs	3	Monnis	Tue 8/29/23 3:00 PM	Tue 8/29/23 7:00 PM																	
230	89371138	49013120CVB001ATTA.TAUA	3120-CVB-001			MH			Take Up Winch Lube 52W Off-L Oil SHDN	4 hrs	3	Monnis	Tue 8/29/23 7:00 PM	Tue 8/29/23 11:00 PM																	
245									<b>CVB-002 STOCKPILE FEED CONVEYOR &amp; TRIPPER CAR</b>	69.5 hrs			<b>Tue 8/29/23 7:30 AM</b>	<b>Fri 9/1/23 5:00 AM</b>																	
278									<b>CVB-002 STOCKPILE FEED CONVEYOR OFFLINE PMs</b>	61 hrs			<b>Tue 8/29/23 11:00 AM</b>	<b>Fri 9/1/23 12:00 AM</b>																	
294	89249969	49013120CVB002ATTA	3120-CVB-002						CVB002 Winch Wire Rope 1Y Off-L NDT SHDN	4 hrs	3	Monnis	Tue 8/29/23 11:00 PM	Wed 8/30/23 3:00 AM																	
295	110000895	49013120CVB002ATTA	3120-CVB-002						CVB002 Winch 24W Off-L INSP/Lube SHDN	4 hrs	3	Monnis	Wed 8/30/23 3:00 AM	Wed 8/30/23 7:00 AM																	
296	89371139	49013120CVB002ATTA.TAUA	3120-CVB-002						Take Up Winch Lube 52W Off-L Oil SHDN	4 hrs	3	Monnis	Wed 8/30/23 7:00 AM	Wed 8/30/23 11:00 AM																	



## OTHER TEAMS

### UG PROJECT TEAM

#### DAY SHIFT



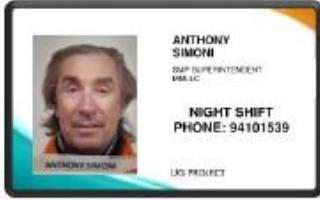
#### NIGHT SHIFT



#### CONVEYOR



#### COS BUILDING



**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	6 PM							
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM															
140									CONVEYING SYSTEM	70 hrs			Tue 8/29/23 7:00 AM	Fri 9/1/23 5:00 AM															
245									CVB-002 STOCKPILE FEED CONVEYOR & TRIPPER CAR	69.5 hrs			Tue 8/29/23 7:30 AM	Fri 9/1/23 5:00 AM															
307									CONVERSION PROJECT TASK AT CVB002	64 hrs			Tue 8/29/23 11:00 AM	Fri 9/1/23 3:00 AM															
308									CVB002 Truss G09/002 Install rock cage	62 hrs			Tue 8/29/23 11:00 AM	Fri 9/1/23 1:00 AM															
309	UG NBIK Contract	49013120-CVB-002	3120-CVB-002		WH	MH			Remove scaffold	10 hrs	4	Project-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 9:00 PM															
310	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install rock cage CL Truss supports	10 hrs	4	Project-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 9:00 PM															
311	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install angle bracings from upright support to wway	8 hrs	4	Project-1	Tue 8/29/23 9:00 PM	Wed 8/30/23 5:00 AM															
312	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install west side rock cages	11 hrs	4	Project-1	Wed 8/30/23 5:00 AM	Wed 8/30/23 4:00 PM															
313	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install angle bracing	11 hrs	4	Project-1	Wed 8/30/23 4:00 PM	Thu 8/31/23 3:00 AM															
314	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install lever hoist supports	11 hrs	4	Project-1	Thu 8/31/23 3:00 AM	Thu 8/31/23 2:00 PM															
315	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Complete rock mesh installation	11 hrs	4	Project-1	Thu 8/31/23 2:00 PM	Fri 9/1/23 1:00 AM															
316	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Remove rigging gear, remaining scaffold, make safe	11 hrs	4	Project-1	Thu 8/31/23 2:00 PM	Fri 9/1/23 1:00 AM															
317									CVB002 Truss G15/002 holes for rock cage	63 hrs			Tue 8/29/23 11:00 AM	Fri 9/1/23 2:00 AM															
318	CW2148470	49013120-CVB-002	3120-CVB-002		WH	MH			Set up drop zone and remove netting	3 hrs	4	Project-1	Tue 8/29/23 11:00 AM	Tue 8/29/23 2:00 PM															
319	UG NBIK Contract	49013120-CVB-002	3120-CVB-002		WH				Erect scaffold southern section of truss	7 hrs	4	Project-1	Tue 8/29/23 2:00 PM	Tue 8/29/23 9:00 PM															
320	CW2148470	49013120-CVB-002	3120-CVB-002	HW	WH	MH			Drill holes in CL of truss, southern section	9 hrs	4	Project-1	Tue 8/29/23 9:00 PM	Wed 8/30/23 6:00 AM															
321	CW2148470	49013120-CVB-002	3120-CVB-002	WH					Erect scaffold northern section of truss	6 hrs	4	Project-1	Wed 8/30/23 6:00 AM	Wed 8/30/23 12:00 PM															
322	CW2148470	49013120-CVB-002	3120-CVB-002	HW	WH	MH			Drill holes in CL of truss, northern section	11 hrs	4	Project-1	Wed 8/30/23 12:00 PM	Wed 8/30/23 11:00 PM															
323	CW2148470	49013120-CVB-002	3120-CVB-002	HW	WH	MH			Drill holes under eastern walkway	11 hrs	4	Project-1	Wed 8/30/23 11:00 PM	Thu 8/31/23 10:00 AM															
324	UG NBIK Contract	49013120-CVB-002	3120-CVB-002		WH				Remove scaffold	11 hrs	4	Project-1	Thu 8/31/23 4:00 AM	Thu 8/31/23 3:00 PM															
325	CW2148470	49013120-CVB-002	3120-CVB-002		WH				Install rock cage CL Truss supports	11 hrs	4	Project-1	Thu 8/31/23 3:00 PM	Fri 9/1/23 2:00 AM															
326									COS INSTALL RAFTERS AT GRIDLINES 'K - J1' & 'H - G'	64 hrs			Tue 8/29/23 11:00 AM	Fri 9/1/23 3:00 AM															
327									Gridline K	53 hrs					Tue 8/29/23 11:00 AM	Thu 8/31/23 4:00 PM													
328	UG NBIK Contract	3120-CVB-002	3120-CVB-002		WH	MH			Erect scaffold for roof stiffener gridline	10 hrs	4	Pro-Nbik	Tue 8/29/23 11:00 AM	Tue 8/29/23 9:00 PM															
329	CW2148470	3120-CVB-002	3120-CVB-002		WH		FO		Set up welding encapsulations	1 hr	4	Project-2	Wed 8/30/23 6:00 AM	Wed 8/30/23 7:00 AM															
330	CW2148470	3120-CVB-002	3120-CVB-002		WH		FO		Measure and install rafter	1 hr	4	Project-2	Wed 8/30/23 7:00 AM	Wed 8/30/23 8:00 AM															
331	CW2148470	3120-CVB-002	3120-CVB-002	HW	WH	MH	FO		Weld Rafter	3 hrs	4	Project-2	Wed 8/30/23 8:00 AM	Wed 8/30/23 11:00 AM															
332	CW2148470	3120-CVB-002	3120-CVB-002		WH				Conduct QA/QC	1 hr	4	Project-2	Wed 8/30/23 11:00 AM	Wed 8/30/23 12:00 PM															
333	CW2148470	3120-CVB-002	3120-CVB-002		WH		FO		Conduct Painting	2 hrs	4	Project-2	Wed 8/30/23 12:00 PM	Wed 8/30/23 2:00 PM															
334	CW2148470	3120-CVB-002	3120-CVB-002		WH		FO		Remove all equipment	2 hrs	4	Project-2	Wed 8/30/23 2:00 PM	Wed 8/30/23 4:00 PM															
335	UG NBIK Contract	3120-CVB-002	3120-CVB-002		WH	MH			Remove scaffold for roof stiffener gridline	10 hrs	4	Pro-Nbik	Thu 8/31/23 6:00 AM	Thu 8/31/23 4:00 PM															
336									Gridline J1	53 hrs					Tue 8/29/23 11:00 AM	Thu 8/31/23 4:00 PM													
337	UG NBIK Contract	3120-CVB-002	3120-CVB-002		WH	MH			Erect scaffold for roof stiffener gridline	10 hrs	4	Pro-Nbik	Tue 8/29/23 11:00 AM	Tue 8/29/23 9:00 PM															
338	CW2148470	3120-CVB-002	3120-CVB-002		WH		FO		Set up welding encapsulations	1 hr	4	Project-3	Wed 8/30/23 6:00 AM	Wed 8/30/23 7:00 AM															
339	CW2148470	3120-CVB-002	3120-CVB-002		WH		FO		Measure and install rafter	1 hr	4	Project-3	Wed 8/30/23 7:00 AM	Wed 8/30/23 8:00 AM															
340	CW2148470	3120-CVB-002	3120-CVB-002	HW	WH	MH	FO		Weld Rafter	3 hrs	4	Project-3	Wed 8/30/23 8:00 AM	Wed 8/30/23 11:00 AM				</											

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 12 AM	Wed Aug 30 6 AM	Wed Aug 30 12 PM	Wed Aug 30 6 PM	
356	CW2148470	3120-CVB-002	3120-CVB-002		WH			FO	Set up welding encapsulations	1 hr	4	Project-3	Thu 8/31/23 7:00 AM	Thu 8/31/23 8:00 AM						
357	CW2148470	3120-CVB-002	3120-CVB-002		WH			FO	Measure and install rafter	1 hr	4	Project-3	Thu 8/31/23 8:00 AM	Thu 8/31/23 9:00 AM						
358	CW2148470	3120-CVB-002	3120-CVB-002	HW	WH	MH			Weld Rafter	3 hrs	4	Project-3	Thu 8/31/23 9:00 AM	Thu 8/31/23 12:00 PM						
359	CW2148470	3120-CVB-002	3120-CVB-002		WH				Conduct QA/QC	1 hr	4	Project-3	Thu 8/31/23 12:00 PM	Thu 8/31/23 1:00 PM						
360	CW2148470	3120-CVB-002	3120-CVB-002		WH			FO	Conduct Painting	2 hrs	4	Project-3	Thu 8/31/23 1:00 PM	Thu 8/31/23 3:00 PM						
361	CW2148470	3120-CVB-002	3120-CVB-002		WH			FO	Remove all equipment	2 hrs	4	Project-3	Thu 8/31/23 3:00 PM	Thu 8/31/23 5:00 PM						
362	UG NBK Contract	3120-CVB-002	3120-CVB-002		WH	MH			Remove scaffold for roof stiffener gridline	10 hrs	4	Pro-Nbik	Thu 8/31/23 5:00 PM	Fri 9/1/23 3:00 AM						
363									Gridline N Replace bolts	30 hrs				Wed 8/30/23 7:00 AM	Thu 8/31/23 1:00 PM					
364	CW2148470	3120-CVB-002	3120-CVB-002						Locate tripper on gridline N	3 hrs	4	Project-3	Wed 8/30/23 7:00 AM	Wed 8/30/23 10:00 AM						
365	CW2148470	3120-CVB-002	3120-CVB-002			FO			Remove and install fabricated 'T' sections x 2	6 hrs	4	Project-3	Wed 8/30/23 10:00 AM	Wed 8/30/23 4:00 PM						
366	CW2148470	3120-CVB-002	3120-CVB-002			FO			Remove and install fabricated 'T' sections x 2	6 hrs	4	Project-3	Thu 8/31/23 7:00 AM	Thu 8/31/23 1:00 PM						

Project: PRIMARY CRUSHER SH	Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Critical Split
Date: Wed 8/23/23 11:54 AM	Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline	Progress
Milestone	Milestone	Inactive Task	Manual Task	Manual Summary	External Tasks	Critical	Manual Progress

## OTHER TEAMS

### HIGH VOLTAGE TEAM DAY SHIFT



- GANBAATAR GANBOLD ELECTRICIAN HV 99677624
- MUNKHJARGAL KHURELBAATAR ELECTRICIAN HV 99737694
- TUVSHINTAMIR ZORIGOO ELECTRICIAN HV 95554941
- BULGANTAMIR TAMIRBOLD ELECTRICIAN HV 99569221

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	6 PM		
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM										
140									CONVEYING SYSTEM	70 hrs			Tue 8/29/23 7:00 AM	Fri 9/1/23 5:00 AM										
245									CVB-002 STOCKPILE FEED CONVEYOR & TRIPPER CAR	69.5 hrs			Tue 8/29/23 7:30 AM	Fri 9/1/23 5:00 AM										
297									HIGH VOLTAGE MAINTENANCE	5 hrs			Tue 8/29/23 7:30 AM	Tue 8/29/23 12:30 PM										
298	71061030	49015920XMR401	5920-XMR-401						SS18 XMR1401 LV side Heater Repalce	4 hrs	2	HV	Tue 8/29/23 7:30 AM	Tue 8/29/23 11:30 AM										
299	71568877	49015221BLD701FIDE.TOWR.T014	5221-TWR-014						TWR14-2 DSW Stuck Repair	5 hrs	2	HV	Tue 8/29/23 7:30 AM	Tue 8/29/23 12:30 PM										

Project: PRIMARY CRUSHER SH Date: Wed 8/23/23 11:52 AM	Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Critical Split
	Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline	Progress
	Milestone	Inactive Task	Manual Task	Manual Summary	External Tasks	Critical	Manual Progress

## OTHER TEAMS

### LOW VOLTAGE TEAM DAY SHIFT



- PUREVSUREN MUNKHBAT ELECTRICIAN 99909440
- TSEVEGMED TSEND ELECTRICIAN 99667313

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man Trade	Start	Finish	Tue Aug 29 12 AM	Wed Aug 30 6 AM	Wed Aug 30 12 PM	Wed Aug 30 6 PM	Wed Aug 30 12 AM	Wed Aug 30 6 AM	Wed Aug 30 12 PM	Wed Aug 30 6 PM	
0									PRIMARY CRUSHER SHUTDOWN	94 hrs		Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM									
31									PRIMARY CRUSHER	64.5 hrs		Tue 8/29/23 7:00 AM	Thu 8/31/23 11:30 PM									
70									PRIMARY CRUSHER PMs	58.5 hrs		Tue 8/29/23 1:00 PM	Thu 8/31/23 11:30 PM									
71									PRIMARY CRUSHER PM02	44 hrs		Tue 8/29/23 1:00 PM	Thu 8/31/23 9:00 AM									
73	71647474	49013110GATE	3110-CRU-001				MH		Crusher dump stopper boom gate electrical panel repair	44 hrs	2	Low voltage	Tue 8/29/23 1:00 PM	Thu 8/31/23 9:00 AM								

Project: PRIMARY CRUSHER SH Date: Wed 8/23/23 11:52 AM	Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Critical Split
	Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline	Progress
	Milestone	Inactive Task	Manual Task	Manual Summary	External Tasks	Critical	Manual Progress

## OTHER TEAMS

### TAVAN ORD TEAM

#### DAY SHIFT



- NASANJARGAL MUNKHCHULUUN SPECIALIST 99594939
- TUVSHINBAYAR MUNKHJARGAL TECHNICIAN 95229552

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man	Trade	Start	Finish	Tue Aug 29	Wed Aug 30								
															12 AM	6 AM	12 PM	6 PM	12 AM	6 AM	12 PM	6 PM		
0									PRIMARY CRUSHER SHUTDOWN	94 hrs			Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM										
140									CONVEYING SYSTEM	70 hrs			Tue 8/29/23 7:00 AM	Fri 9/1/23 5:00 AM										
245									CVB-002 STOCKPILE FEED CONVEYOR & TRIPPER CAR	69.5 hrs			Tue 8/29/23 7:30 AM	Fri 9/1/23 5:00 AM										
278									CVB-002 STOCKPILE FEED CONVEYOR OFFLINE PM s	61 hrs			Tue 8/29/23 11:00 AM	Fri 9/1/23 12:00 AM										
293	71349852	49013120BLD200UNPR	3120-CVB-002						Repair LHD-002_SHDN	8 hrs	2	Tavan-ord	Tue 8/29/23 11:00 AM	Tue 8/29/23 7:00 PM										

Project: PRIMARY CRUSHER SH Date: Wed 8/23/23 11:55 AM	Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Critical Split
	Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		Progress
	Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Critical		Manual Progress

## OTHER TEAMS

MSM

AIR COMPs Hand Valves 2Y OFF INS

DAY SHIFT

DORJPUREV  
GANBOLD

MSM Supervisor

DAY SHIFT  
PHONE: 99908757

CONCENTRATOR

- TUGSBAYAR GANBAATAR 86009491
- MARGAD GANBAATAR 99354673

**72HRS PRIMARY CRUSHER SHUTDOWN**  
**[DIRT OFF-DIRT ON] 07:00AM 29.AUG.2023 TO 7:00AM 01.SEP.2023**

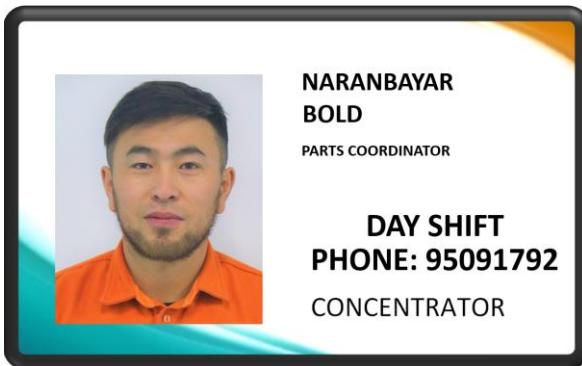
ID	Work Order	Function location	Asset Tag	CS	HW	WH	MH	FO	Task Name	Duration	Man Trade	Start	Finish	Tue Aug 29 12 AM	6 AM	12 PM	6 PM	Wed Aug 30 12 AM	6 AM	12 PM	6 PM
0									PRIMARY CRUSHER SHUTDOWN	94 hrs		Tue 8/29/23 7:00 AM	Sat 9/2/23 5:00 AM								
31									PRIMARY CRUSHER	64.5 hrs		Tue 8/29/23 7:00 AM	Thu 8/31/23 11:30 PM								
85									PRIMARY CRUSHER PM01	48.5 hrs		Tue 8/29/23 7:00 AM	Thu 8/31/23 7:30 AM								
93	88660183	49013110ACO001	3110-ACO-001						AIR COMPs Hand Valves 2Y OFF INS Primary	2.5 hrs	2 MSM	Wed 8/30/23 7:30 AM	Wed 8/30/23 10:00 AM								

Project: PRIMARY CRUSHER SH Date: Wed 8/23/23 11:53 AM	Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Critical Split
	Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline	Progress
	Milestone	Inactive Task	Manual Task	Manual Summary	External Tasks	Critical	Manual Progress

## COORDINATOR PARTS

### PARTS COORDINATOR

DAY SHIFT



NIGHT SHIFT



## TOOLKEEPER

### TOOLS COORDINATOR



#### DAY SHIFT

- GANKHUYAG BATTULGA NBIK EX 80650047 91295939
- MUNKH-ERDENE BADIA EES 88515850

#### NIGHT SHIFT

- UGTAKH NYAMAA APP 99949493
- UUGAN-ERDENE GANBAYAR NBIK EX 88215440

## БУСАД БАГ/ OTHER TEAMS

### Emergency Response team

#### DAY SHIFT



#### NIGHT SHIFT



- MUNKHTUR NACHIN TEAM LEADER
- BAASANJARGAL PUREVJAV TRAINING OFFICER
- DEMCHIGDORJ OTGONJARGAL OFFICER ERT
- TUVSHINJARGAL BYAMBAA OFFICER ERT

- PUREVDORJ CHOJILSUREN TEAM LEADER
- BAYARNYAM DAVAASUREN TRAINING OFFICER
- NYAMBAYAR NYAMDELEG OFFICER ERT
- OTGONBAT KHUYAG OFFICER ERT

## БУСАД МЭДЭЭЛЭЛ/OTHER INFORMATION

# БУСАД МЭДЭЭЛЭЛ OTHER INFORMATION



## MANPOWER, TASK & MOBILE EQUIPMENT



WORK ORDERS -  
142



9 TYPE MOBILE  
EQUIPMENT 23 TOTAL



PEOPLE -214



MANHOUR - 5559



## MANPOWER

### Concentrator maintenance

MECH  
LUBE  
**MMS MECH**  
NBIK  
WELD  
E&I  
**MMS E&I**  
CM



**85**

39  
8  
18  
12

8  
**21**

4  
3  
3  
7

**39**

6  
4  
8  
21

**31**

20  
10



**8**

8

4

**TOTAL 214**



**30**

26  
4

### Internal team

SITE MAINTENANCE  
UTILITIES MTC (MECH+WELD)  
ESSENTIAL MTC  
EQUIPMENT MTC

### External teams

MRC  
MMS  
EES  
NBIK

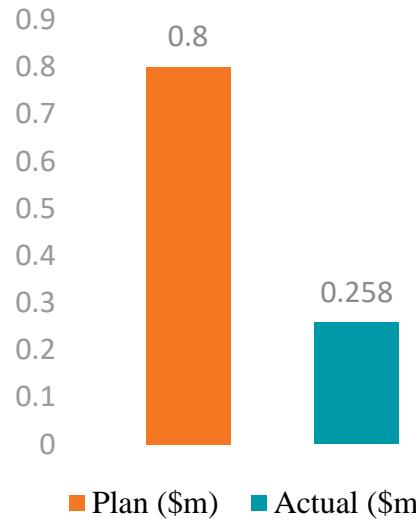
### Other teams

CRANE & RIGGING  
MONNIS

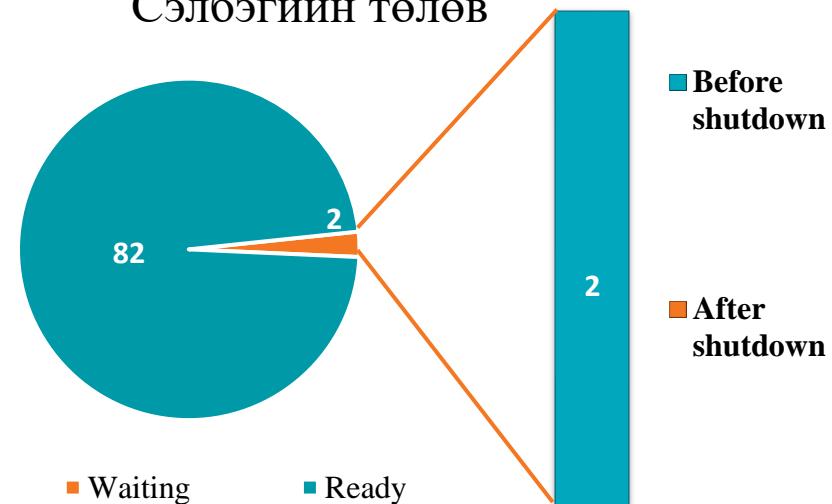


## PARTS & BUDGET INFORMATION

### Cost / Зардал



### Parts status/ Сэлбэгийн төлөв

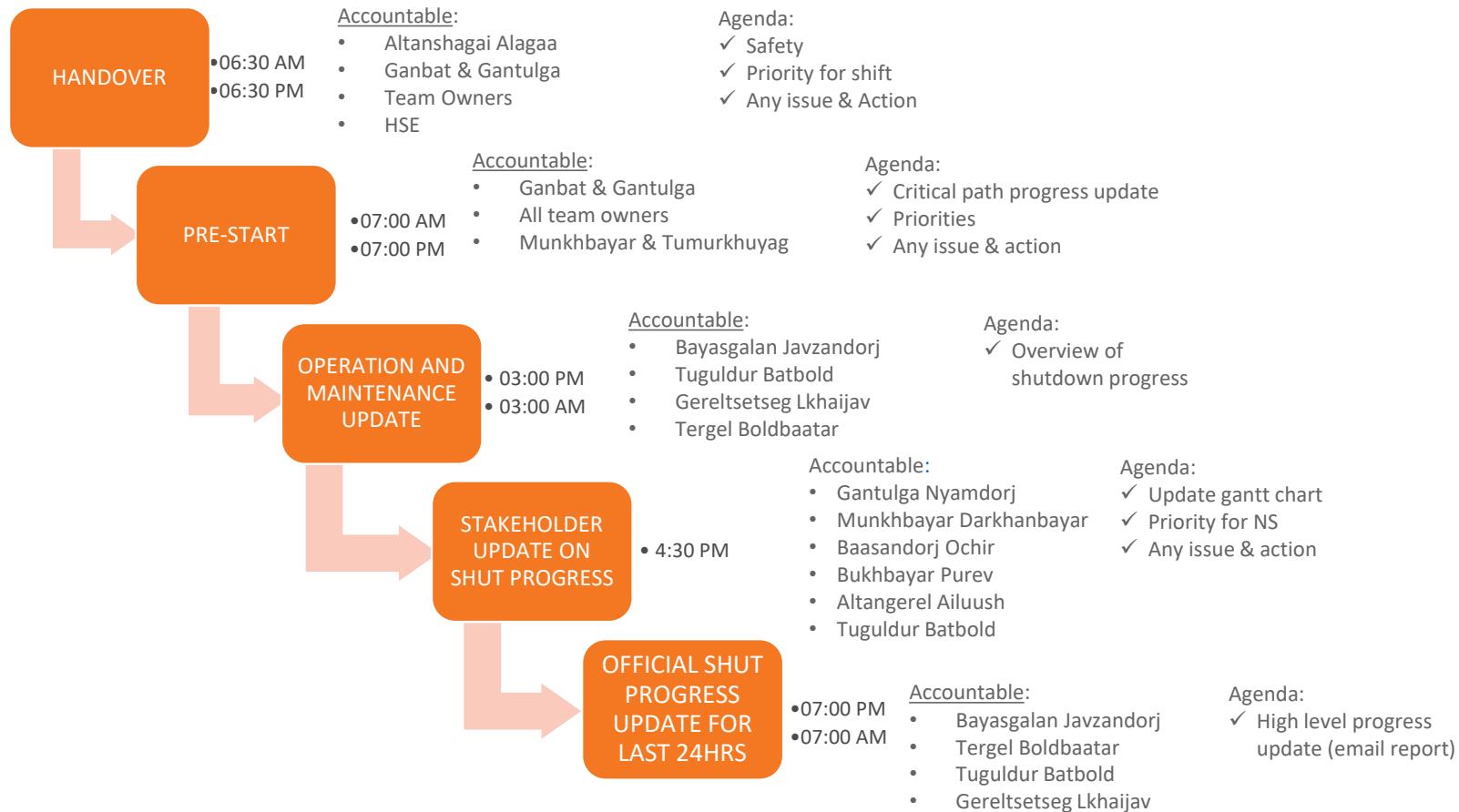


	Plan (\$m)	Actual (\$m)
CRUSHER	0.8	0.258

	Type	Quantity
Ready	82	3243
Before Shut	2	550
After Shut	0	0



## SHUTDOWN MEETING





## PRE-START MEETING LOCATION

### PRE-START MEETING

- 07:00 AM
- 07:00 PM

#### Accountable:

- Ganbat Purev
- Tumurtogoo Enebish
- All team
- HSE

#### Agenda:

- Safety share
- Priority for shift
- Any issue & Action

- Admin office- Condition Monitoring
- Primary Crusher container (**29-31/August/2023**)  
(Mech-1, Mech-2, MMS-1)
- Mechanic shop- Meeting room (MMS-2, MMS-3, Mech-3, MECH-STAND, WELD, LUBE)
- E&I pre-start meeting room (E&I crews)





## BAC TEST

TEAM MEMBER



TEAM LEADER/  
SUPERVISOR



SUPERINTENDENT



Above process will be applied if any additional team member joins the team as well.



## DAY/ NIGHT MEAL ARRANGEMENT

БАГ/TEAM	БАЙРЛАЛ/LOCATION	ЦАГ/TIME
MECH-3	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	11:00, 23:00
MMS-2	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	11:00, 23:00
MMS-3	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	11:00, 23:00
MECH-1	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	11:25, 00:25
MECH-2	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	11:25, 00:25
MMS-1	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	12:25, 00:25
E&I	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	11:25, 00:25
MECH-STANDBY	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	12:00, 00:00
WELD	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	12:00, 00:00
LUBE	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	12:00, 00:00
OPERATION	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	12:30, 00:30
OFFICE	Засварын комплекс- цайны хэсэг / Maintenance Complex – Dining Hall	12:30, 00:30



## BUS SCHEDULE

### 1. MAZAALAI #5 – Primary Crusher (29-31 August 2023)

**MECH-1, MECH-2, MMS-1**

FROM	TO	MORNING	EVENING	BUS QTY
MAZAALAI BUS STATION	PRIMARY CRUSHER	06:45	18:45	1
PRIMARY CRUSHER	MAZAALAI BUS STATION	07:00	19:00	1

### 2. MAZAALAI #6 – Concentrator Maintenance Complex

**MMS-2, MMS-3, MECH-3, E&I, MECH-STAND, WELD, LUBE**

FROM	TO	MORNING	EVENING	BUS QTY
MAZAALAI BUS STATION	CONCENTRATOR MAINTENANCE COMPLEX	06:40-06:50	18:50- 19:00	2
CONCENTRATOR MAINTENANCE COMPLEX	MAZAALAI BUS STATION			2

If you need a transportation, you can take a taxi by calling to 5005/ 9907 4174 from 04:00am until 10:00pm.



## BUS SCHEDULE LUNCH TIME

## 1. Primary Crusher to Concentrator Maintenance complex (29-31 August 2023)

**MECH-1, MECH-2, MMS-1**

FROM	TO	DEPART	ARRIVE	BUS QTY
PRIMARY CRUSHER	CONCENTRATOR MAINTENANCE COMPLEX	11:15	11:25	1
CONCENTRATOR MAINTENANCE COMPLEX	PRIMARY CRUSHER	12:00	12:10	1
PRIMARY CRUSHER	CONCENTRATOR MAINTENANCE COMPLEX	12:10	12:20	1
CONCENTRATOR MAINTENANCE COMPLEX	PRIMARY CRUSHER	13:00	13:10	1

If you need a transportation, you can take a taxi by calling to 5005/ 9907 4174 from 04:00am until 10:00pm.

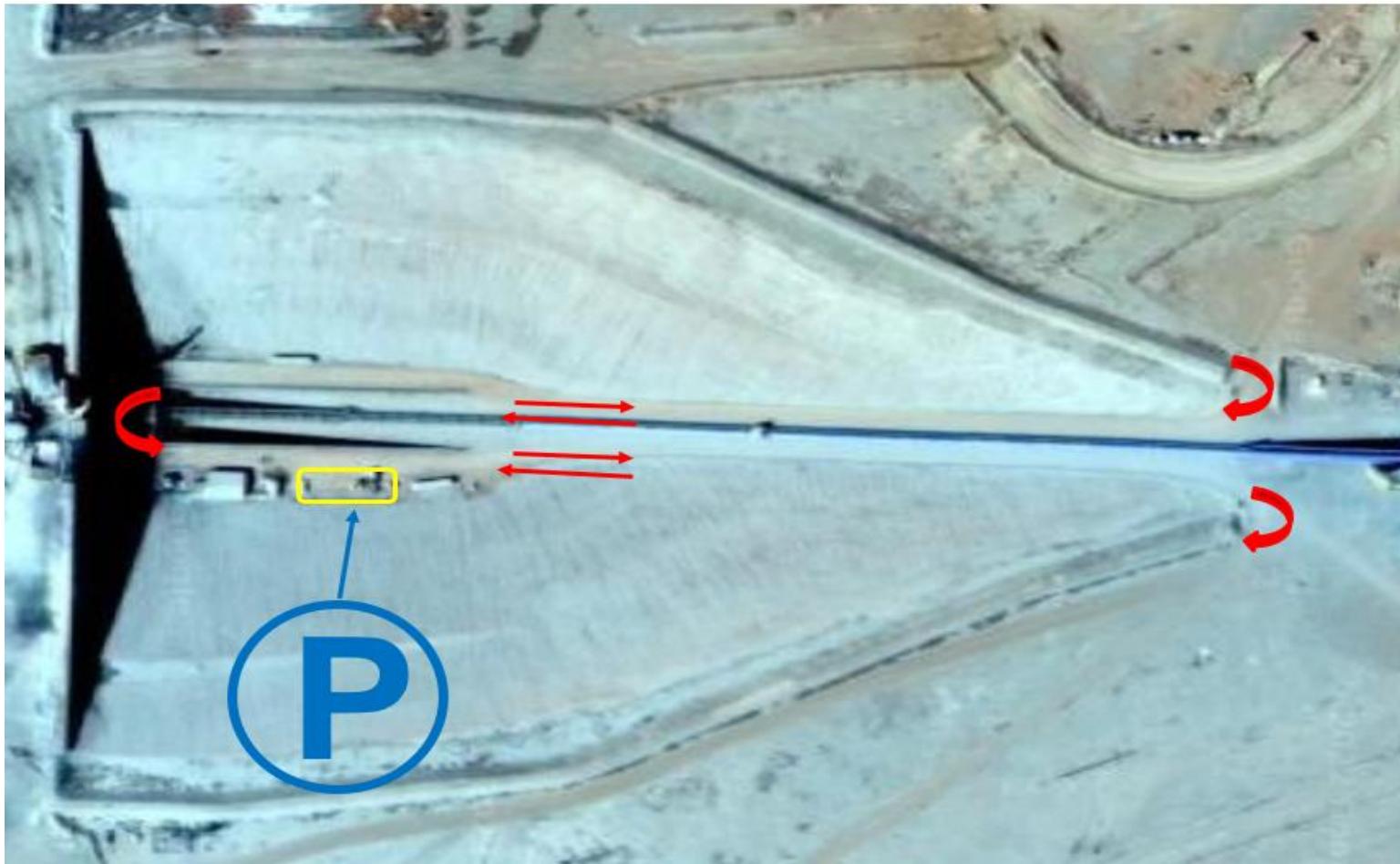


## CONCENTRATOR PARKING AREA





## CONCENTRATOR PARKING AREA





## EMERGENCY RESPONSE TEAM

**EMERGENCY RESPONSE TEAM will be ready for 24hours  
during the shutdown  
ERT team will patrol the area every 2 hours**

RESPONSIBILITY	NAME	PHONE NUMBER
Specialist	Odbayar. B	95099824
Day Shift Supervisor	Gantumur. D	99053714
Night Shift Supervisor	Uuganbayar. M	99074652
ERT Control Room		99043333
Emergency Response Team		95992222



## CALL & MUSTER POINT



КОНВЭЙР ДАГУУ БОЛОН ЗАСВАРЫН  
КОМПЛЕКСИЙН ОЙРОЛЦОО АЖИЛ  
ГҮЙЦЭТГЭХ БАГУУДЫН МЭДВЭЛ ЗОХИХ  
ДУУДАХ ЦЭГҮҮД:

- ЗАСВАРЫН КОМПЛЕКСИЙН АР ТАЛ: **3-5**
- CVB001-ИЙН ОЙРОЛЦОО: **2-11**

**ОТ САЙТЫН ОНЦГОЙ БАЙДЛЫН ҮЕИЙН УТАС/  
OT SITE EMERGENCY LINE# 9904-3333**

ГЭНЭТИЙН ОСЛЫН БАГ/ ERT# **9599 2222**

**EMERGENCY:  
9904 3333**



**ОТ САЙТЫН ОНЦГОЙ БАЙДЛЫН ҮЕИЙН УТАС/  
OT SITE EMERGENCY LINE# 9904-3333**

ГЭНЭТИЙН ОСЛЫН БАГ/ ERT# **9599 2222**



**ERT: 9599 2222**

КОНВЭЙР ДАГУУ БОЛОН АНХДАГЧ  
БУТЛУУРЫН ДЭЭД, ДООД ТАЛД АЖИЛ  
ГҮЙЦЭТГЭХ БАГУУДЫН МЭДВЭЛ ЗОХИХ  
ДУУДАХ ЦЭГҮҮД:

- БУТЛУУРЫН ДЭЭД ТАЛД(ХЯНАЛТЫН  
ӨРӨӨНИЙ ДЭРГЭД): **6-4**
- CVB011-ИЙН ДЭРГЭД : **2-10**

## ХЭРЭГЦЭЭТ УТАСНЫ ДУГААР

2023 оны 08-р сар

#	Хариуцах хэсэг/ Area	Нэр/ name	Утас/ Cellphone	Дотуур утас/ ex#	Эзлж/ Shift	#	Хариуцах хэсэг/ Area	Нэр/ name	Утас/ Cellphone	Дотуур утас/ ex#	Эзлж/ Shift
1	САЙТЫН ХЯНАЛТЫН ӨРӨӨ/ EMERGENCY CONTACT	ДУУДЛАГА/ DUTY	9904 3333	3333	өдөр/ шөнө day/night	11	ЭНЕРЖИИ ИНТЕРНЭШНЛ	ДУУДЛАГА/ DUTY	9595 1277	5796	өдөр/ шөнө day/night
2	ҮЙЛДВЭРИЙН ХЯНАЛТЫН ӨРӨӨ/ CONTROL ROOM CONCENTRATOR	ДУУДЛАГА/ DUTY		7607/7608	өдөр/ шөнө day/night	12	ДОХИОЛОЛ УНТРААГУУР/ TAVAN ORD(FIRE ALARM)	ДУУДЛАГА/ DUTY	9592 4040		өдөр/ шөнө day/night
3	САЙТЫН АЮУЛГҮЙ БАЙДАЛ/ OT SECURITY	ДУУДЛАГА/ DUTY	9909 6253		өдөр/ шөнө day/night	13	ANTI-FIRE	ДУУДЛАГА/ DUTY	9598 0140		өдөр/ шөнө day/night
4	ДАЛД УУРХАЙН ХЯНАЛТЫН ӨРӨӨ/ UG CONTROL ROOM	ДУУДЛАГА/ DUTY		6063/6064	өдөр/ шөнө day/night		CAH/ PLUMBING	ДУУДЛАГА/ DUTY	9509 9575		өдөр/ шөнө day/night
5	ERT- ГЭНЭТИЙН ОСЛЫН БАГ	ДУУДЛАГА/ DUTY	9599 2222		өдөр/ шөнө day/night	14	ТУЛШ ЦЭНЭГЛЭХ/ FUEL SUPPLY	ДУУДЛАГА/ DUTY	9901 2391	6346	өдөр/ шөнө day/night
6	БАГАЖНЫ ӨРӨӨ/TOOLKEEPER	UNURBAYAR BADAM	99735448	5597	шөнө/ night	15	TAVAN ORD	ДУУДЛАГА/ DUTY	9990 8646		өдөр/ шөнө day/night
7	ТӨЛӨВЛӨЛТ/PLANNING	PUREVJARGAL BAZARGARID	99939881		шөнө/ night	16	FORKLIFT	ДУУДЛАГА/ DUTY	99027138	5555	өдөр/ шөнө day/night
		TERGEL BOLDBAATAR	95091680		шөнө/ night	17	GENSET	ДУУДЛАГА/ DUTY	99302032		өдөр/ шөнө day/night
		BAYASGALAN JAVZANDORJ	9978 8625		өдөр/ day	18	LV		9990 5228	6466	өдөр/ day
8	PARTS COORDINATOR	DOLGORMAA GANBAT	95099810		шөнө/ night				9906 7539	6466	шөнө/ night
		NARANBAYAR BOLD	95091792		өдөр/ day	19	ТЭЭВРИЙН ХЭЛТЭС/ TAXI TRANSPORTATION	ДУУДЛАГА/ DUTY	9907 4174	5005	өдөр/ шөнө day/night
9	ХОГХАЯГДАЛ/ WASTE MANAGEMENT ЗӨӨВРҮЙИН ҮС/ WATER	MUNKHSAIKHAN	99167773		өдөр/ шөнө day/night	20	PIZZA SHOP	MANLAI	8847 7779 7712 9957		өдөр/ day
		ENKHBAT	88117484		шөнө/ night			OYUT	9980 5353		өдөр/ day
10	AIR CONDITIONER	ДУУДЛАГА/ DUTY	9906 0897		өдөр/ шөнө day/night	21	ТОМ ХААЛГА/ MEGA DOOR	ДУУДЛАГА/ DUTY	9903 1347		өдөр/ шөнө day/night
11	MONNIS	JAMIYANSUREN SHIJIR	99930103		шөнө/ night						
		ERDENE-AMGALAN BAT-ERDENE	99902962		өдөр/ day						
12	WAREHOUSE/ АГУУЛАХ	ТОМ АЧАА	99886969		өдөр/ day						

SUCCESS BEGINS WITH

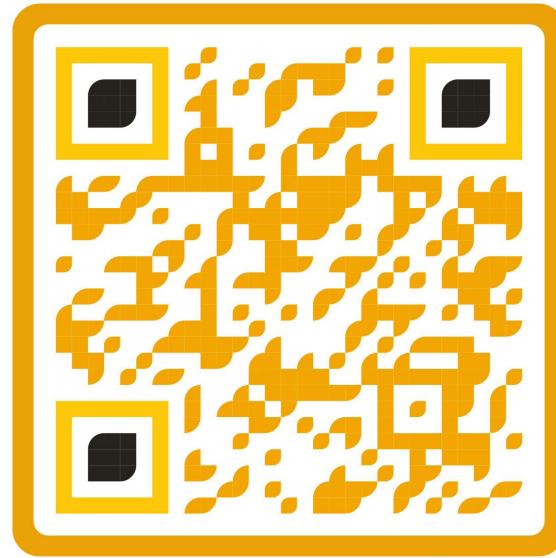
**SAFETY**

Амжилтын үндэс

**АЮУЛГҮЙ АЖИЛЛАГАА**



## ЗОГСОЛТЫН ТОВХИМОЛ/ SHUTDOWN BOOKLET



PC SHUTDOWN BOOKLET