

Scope of Work

PR

Business unit	DSSP Power Sumsel	Department	Mechanical
Equipment Name		Equipment KKS Code	
Area	Boiler & Turbine	Unit	2

Project Title Description

Supply man power 70 Persons Rigger scaffolding (Lumpsum basis)

Estimate 29 days

Unit #2 SO on June 2026

Detail SOW - See attachment

- Service PM
 Repair
 Replace
 Modification
 Others

A. Scope Supply

No	Description	Remark
1	1 Person Rigger Scaffold contain	
	Supervisor	1 person
	Foreman	1 person
	Rigger scaffold	70 persons
	Safety man	1 person
2	Normal Working time 9 hours per day:	
	08 00 - 12 00	Working time
	12 00 - 13 00	Rest time
	13 00 - 18 00	Working time
3	Contents mandatory tools :	
	Racet	See attachment
	Speed cutting machine	See attachment
	Recipro saw machine	See attachment

Common Scope

No	Work Description	Scope of Work	Remarks	
1	General Scope	Cleaning working area after finish	<input checked="" type="checkbox"/>	
		First aid	<input checked="" type="checkbox"/>	
		Medical for worker	<input checked="" type="checkbox"/>	
		Fire fighting equipment	<input checked="" type="checkbox"/>	
		Safety Inspector facilities	<input checked="" type="checkbox"/>	
		General Lighting	<input checked="" type="checkbox"/>	
		Portable Lighting	<input checked="" type="checkbox"/>	
		Over all security	<input checked="" type="checkbox"/>	
2	Temporary facility Scope	Dormitory	<input checked="" type="checkbox"/>	
		Meals & water drinking	<input checked="" type="checkbox"/>	
		Mob and de-mob manpower	<input checked="" type="checkbox"/>	
		Mob and de-mob tool and equipment	<input checked="" type="checkbox"/>	
		Local transportation for manpower, material, equipment	<input checked="" type="checkbox"/>	
		Safety PPE	<input checked="" type="checkbox"/>	
		Site offices & rest shelter	<input checked="" type="checkbox"/>	
Secure site - Safety Inspector facilities	<input checked="" type="checkbox"/>			
3	Consumables & Tool Scope	Tools - See attachment	<input checked="" type="checkbox"/> Technical clarification	
		Consumables - See attachment	<input checked="" type="checkbox"/> Technical clarification	
4	Safety requirement	Vendor must be have safety man and have certificate	<input checked="" type="checkbox"/>	
		JSA must be completed before start working	<input checked="" type="checkbox"/> Form will be share after PO	
		Man power must be have certificate of heals from doctor	<input checked="" type="checkbox"/>	
		Vendor must be submit check list for outsourcing service work	<input checked="" type="checkbox"/> Form will be share after PO	
5	Vendor Qualification	Vendor must be have list tools and APD	<input checked="" type="checkbox"/> Will inspect by DSSP HSE before use	
		Follow regulation of DDPI regarding O&M Outsourcing Service Work Management	<input checked="" type="checkbox"/> Document No. DSSP/DDPI/TECH/001	
		REMARKS <input checked="" type="checkbox"/> Vendor Scope	<input checked="" type="checkbox"/> Not Vendor Scope	
	Position	Name	Signature	Date
Proposed By	Mechanical Planner	Bahari Pandiangan		24 / 3 / 26
Reviewed By	Mechanical Dept Head	Bahtaruddin		24 / 3 / 26
Approved By	Maintenance Division Head	Chandra Duardo		24 / 3 / 26.

U1 and U2 SO Preparation - 2026

U2 SO : June 23rd - July 13th (21 days)

No	Item	SOW
2	MPS Scaffolding - 70 persons	<ol style="list-style-type: none"> 1. Normal working hours for 9 hours a day and no shift works but required OT will be necessary refer to site condition and user arrangement 2. Supervisor 1 person, Foreman 1 person, rigger 70 persons, 1 person safety officers, 1 person electricians include of excess hours up to 5700 hours totally as site requirement - Suggestion of Owner Company 3. Lumpsum basis without any charged OT and additional cost 4. Main Works: <ul style="list-style-type: none"> - Boiler furnace scaffolding installation completion within 38 working hours and dismantling within 15 hours - In parallel, Cyclone A and B (from bottom/lower cyclone to target zone) scaffolding and safety roof (UNP beam, asiba, scaffolding above) installation completion within 24 working hours and dismantling within 15 hours - In parallel, Gas duct A and B scaffolding installation completion within 12 hours and dismantling within 8 hours - In parallel, Sealpot A and B scaffolding installation completion within 12 hours and dismantling within 8 hours - Superheater / Heat Recovery Area (HRA) scaffolding installation completion within 8 hours and dismantling within 6 hours - In parallel, Ignition chamber A and B scaffolding installation completion within 8 hours and dismantling within 6 hours - Windbox scaffolding installation completion within 6 hours and dismantling within 4 hours - Other area (as per user arrangement) - see attachment - Standby team for 20 people to support housekeeping works in height condition for 7 days after U2 Synchronize 5. Schedule of U2 Shutdown to synchronize is 21 days 6. Tools and consumable (as attached) 7. Manpower, tools, and consumable mob-demob

1	Boiler	Furnace	Install scaffolding inside Furnace until top roof
2		Cyclone	Install scaffolding in COD, Cyclone and Vortex 1B
3			Install scaffolding in COD, Cyclone and Vortex 1A
4			Install scaffolding inside Sealpot 1A
5		Install scaffolding inside Sealpot 1B	
6		HRA	Install scaffolding in Final SH (HRA)
7		Return leg	Install scaffolding in all Return Leg
8		Ignition Chamber	Install scaffolding Ignitation Chamber 1A
9			Install scaffolding Ignitation Chamber 1B
10		Winbox	Install scaffolding access Windbox
11		Gas Duct Outlet	Install scaffolding in Gas Duct Outlet 1A
12			Install scaffolding in Gas Duct Outlet 1B
13		Fan system	Install scaffolding all damper fan in/out
14		SA Lower	Install scaffolding for all SA lower
15		Boiler / Expansion joint	Install scaffolding for replace expansion joint as per list
16		Coal chute pipe	Install scaffolding for replace all coal chute pipe
17		Furnace	Manhole furnace R/L side for sand drain
18		Sealpot	Emergency drain sealpot A dan B
19		ASH hopper APH	Ash hopper APH side A dan B
20		ESP inside	ESP hopper 1-8 (cleaning inside) if needed
21		Safety valve boiler and ERV valve	Access popping safety valve before shutdown and lapping valve
22		Hydrotest valve	install test block for filling water test
23		Economizer	Inspection damper
24		All fan	Access manhole impeller
25		Ash hopper ESP	Access replace manual valve
26		All drain pipe	Access replace new pipe
27		HRA front wall	Access inspect wall tubes
	Turbine	Turbine	1. Scaffolding acces dismantle bolt connection main steam pipe
			2. Scaffolding acces to dismantle bolt pipe IP to LP
			3. Scaffolding acces LP casing turbine
			4. Scaffolding acces dismantle CV valve
33		Condenser	1. Scaffolding acces open manhole
			2. acces replace pipe
34		Deaerator	1.Scaffolding for acces open manhole
35			2. Sacfolding acces UT flaw inside feed water tank
36			3. Scaffolding acces UT flaw Deaerator tank
37			4. Scaffolding acces remove safety valve
			5. Scaffolding acces replace pipe
38		CBD	1. Scaffolding acces remove safety valve & replace gasket level
39			2. Scaffolding for acces UT flaw CBD tank
40		HP Heater 1-2	1. Acces remove safet valve
49			2. Access remove insulation & UT flaw Hp heater 1-2
			3. Access replace pipe line venting
50		LP Heater 4-7	1. Acces remove safet valve
51			2. Access remove insulation & UT flaw LP heater 4-7
		CWP	Scaffolding acces dismatle casing CWP pump
		Steam strainer	Scaffolding acces clearing steam strainer at 1,5 floor
		Cooling tower fan 1-6	Scaffolding acces replace blade cooling tower
		Bypass main feed water valve	Scaffolding acces replave valve bypass msin feed water
		HP byass valve	Scaffolding acces service valve
		LP byass valve	Scaffolding acces service valve
		Cooling tower basin	Scaffolding acces additional partition inlet strainer CWP 1A-B
		Demin pipe	Scaffolding acces replace pipe
		Demin vessel	Scaffolding acces open manhole
	Safety valve gland steam	Scaffolding acces replace popping test safety valve gland steam	
	Pipe line inlet vacuum	Scaffolding for access blocking pipe to conduct pneumatic test	
	Pipe drain cold reheat	Scaffolding acces for cutting pipe	
29	Electrical	MAIN TRANSFORMER UNIT#1	ALL BODY TRAF0 UNTIL TOP BUSHING HV SIDE R, S, T LIGHNING ARRESTER
30		UNIT AUXILIARY TRANSFORMER #1	Cleaning LIGHNING ARRESTER
		Hopper ESP 1-8	Replace all hopper heater
		SWITCHYARD	Cleaning insulator
		IPB AND NSPB	Repainting and inspection
	CIRCULATING WATER PUMP	Repair motor body	
33	I & C	SAF A/B	Install scaffolding at MOV outlet SAF A/B
34		PAF A/B	Install scaffolding at MOV outlet PAF A/B
35		IDF A/B	Install scaffolding at MOV outlet IDF A/B
36		Ash Hopper ESP	Install scaffolding at Level transmitter 1-8
37		PRV	Install scaffolding at Pneumatic PRV Coal Feeder
38		IDAS	Install scaffolding at Platen SH/RH outlet
39			Install scaffolding at Cyclone
40			Install scaffolding at PSH outlet
49		Coal Bunker	Install scaffolding at sensor temperature coal bunker
50		APH	Install scaffolding at ash hopper APH
51		Condenser	Install scaffolding
		VV Valve	Install scaffolding
52		Gland Steam	Install scaffolding