

ANNEXURE I TO TENDER NO. DIL/ANNUAL OVERHAULING/01 DATED 23.08.25

AOH Unit#1 - 2025-26 For Boiler's Aux					
Sr. No .		Work Description	UOM	Qty	Remarks
1	Boiler Pressure Part				
	1.01	Boiler Electro Pneumatic Valve (ERV) dismantling, servicing and assembly under the guidance of Expert	Nos.	2	
	1.02	Coal pipe bend replacement with new one	Nos.	12	
	1.03	Coal pipe (straight length) replacement as per thickness survey near orifice	Nos.	8	
	1.04	Coal Pipe expansion bellow replacement at Boiler End	Nos.	1	
	1.05	Coal pipe orifice replacement with new one as per condition	Nos.	8	
	1.06	Coal Nozzle tip, Sealed plate & compartment replacement	Nos.	24	
	1.07	Ammonia dosing system/piping inspection from duct inside and its repairing/rectification as instructed by DIL Engineer	lumps um	1	
	1.08	Existing Coal Mill Hot PA Louver shutoff damper replacement with New Twin seal flap isolator of 'FOURESS' make in Coal Mill 1D. All necessary arrangement for erection, T&Ps, material shifting from store and removed material shifting from site to store will be under contractor scope	Nos.	1	
	1.09	<u>Valve replacement</u>			
	1.09	Drum LHS & RHS root valves and Chinese valves (MIV) DN25	Each	10	
	1.09	SH secondary DE-SH vent line root valve (MIV) DN25			
	1.09	RH spray drain line miv DN25			
	1.09	APH SB LINE MIV DN65			
	1.10	Main SB LINE second MIV DN65	Each	2	
	1.10	Main & APH SB MOV DN50	Each	1	
	1.10	CBD LHS & RHS MIV DN40 (New Erection)	Each	2	
	1.10	EBD Root & second MOV - DN100	Each	2	
2	<u>APH Overhauling - Pass A & Pass B</u>				
	-	<u>Pass A</u>			
	2.01	APH complete inspection of APH	lumps um	1	
	2.02	APH Seals inspection-rectification-replacement as required and its setting			
	2.03	High pressure jet cleaning of New Baskets			

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	2.04	Complete Hot End, intermediate and Cold end Basket replacement with new one (432 Nos.) All necessary arrangement for removal i.e. beam/channel, winch, manual/electrical pulley/hoist, hand pallet truck, platform etc. will be under contractor scope (includes material + service) Transportation of of APH Baskets from DIL store, shifting it near APH and removed old basket shifting from site to Store will be under contractor scope	Each	432	
	2.05	Hot end sector plate replacement (03 Nos.) necessary arrangement for removal i.e. beam/channel, winch, manual/electrical pulley/hoist, platform etc. will be under contractor scope (includes material + service) Issue of Sector plate from DIL store, shifting it near APH and removed old sector shifting from site to Store will be under contractor scope	Each	3	
	2.06	APH Gearbox Replacement - 01 No.	lumps um	1	
	2.07	Fluid coupling replacement & alignment			
	2.08	Support & Guide bearing inspection and its replacement on the basis of inspection/as per guidance of DIL Engineer (Note ***)			
	2.09	APH rotor alignment checking and rectification if required.			
	2.10	APH Sootblower lance & its support inspection from inside and rectification/replacement as required All APH sootblower support strengthening by welding			
	2.11	APH Acoustic Soot blower inspection and its rectification or replacement as per guidance of DIL Engineers			
	2.12	APH Gearbox, Guide & support bearing lube oil replacement			
	2.13	Graphite rope replacement of support/guide bearing			
	2.14	APH related ash leakage arresting job			
	2.15	APH fire fighting & water washing nozzle inspection and chokage clearance if required			
	2.16	APH trial & box-up for operation			
		<u>Pass B</u>			
	2.18	APH complete inspection of APH	lumps um	1	
	2.19	APH Seals inspection-rectification-replacement as required and its setting			
	2.20	Fluid coupling replacement & alignment			
	2.21	Support & Guide bearing inspection and its replacement on the basis of inspection/as per guidance of DIL Engineer (Note ***)			
	2.22	APH rotor alignment checking and rectification if required.			

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	2.23	APH Pass-B hot end sootblower rack tube/lance replacement with new one. All APH sootblower support strengthening by welding			
	2.24	APH Acoustic Soot blower inspection and its rectification or replacement as per guidance of DIL Engineers			
	2.25	APH Gearbox, Guide & support bearing lube oil replacement			
	2.26	Graphite rope replacement of support/guide bearing			
	2.27	APH related ash leakage arresting job			
	2.28	APH fire fighting & water washing nozzle inspection and chokage clearance if required			
	2.29	Complete Hot End, Intremediate end and Cold end Basket replacement with new one (432 Nos.) All necessary arrangement for removal i.e. beam/channel, winch, manual/electrical pulley/hoist, hand pallet truck, platform etc. will be under contractor scope (includes material + service) Transportation of of APH Baskets from DIL store, shifting it near APH and removed old basket shifting from site to Store will be under contractor scope	Each	432	
	2.30	Hot end sector plate replacement (03 Nos.) necessary arrangement for removal i.e. beam/channel, winch, manual/electrical pulley/hoist, platform etc. will be under contractor scope (includes material + service) Issue of Sector plate from DIL store, shifting it near APH and removed old sector shifting from site to Store will be under contractor scope	Each	3	
	2.31	APH trial & box-up for operation	lumps um	1	
3	<u>ESP Overhauling (Pass A & Pass B)</u>				
	3.01	ESP Defects attending work	lumps um	1	
	3.02	Complete ESP internals air cleaning, inspection & rectification.			
	3.03	ESP CERM, EERM & GDRM system inspection and rectification as required			
	3.04	ESP EERM, CERM & GDRM gearbox oil/grease inspection and replacement as required			
	3.05	ESP all plain & fixed bearing inspection, repairing, replacement, additional support provision and bearing assembly with available spares as per instruction of DIL Engineer			
	3.06	Rapping bar mechanism of CERM & GDRM inspection/rectification			
	3.07	CERM damaged anvil pads replacement			
	3.08	ESP Collecting plate supports inspection, correction and required additional support			

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		provision/modification as per instruction of DIL Engineer			
	3.09	EERM big wheel and small wheel repairing and replacement.			
	3.10	EERM damaged shock bar repairing/buttering and replacement if required.			
	3.11	ESP internals - all damaged part repairing/welding/replacement as per the instruction of DIL Engineer			
	3.12	Emitting electrodes spiral tension checking.			
	3.13	Checking and rectification of gap between the collecting plates if found variation beyond the acceptable limits.			
	3.14	ESP support bearing cleaning, inspection and repairing.			
	3.15	GD Screen inspection and rectification			
	3.16	GD screen funnel inspection and rectification			
	3.17	Repairing of GD screen supports along with installtion of wear protection angles over them.			
	3.18	ESP internals column supports erosion identification and repairing.			
	3.19	ESP hoppers inside bracing pipes provision/rectification.			
	3.20	Hopper Baffle plate & its inside inspection and rectification/replacement			
	3.21	ESP hoppers welding joint inspection and its repairing			
	3.22	ESP Hopper Gate valve closing/opening and its repairing/rectification & replacement with new one as per instruction of DIL Engineer			
	3.23	Support insulator cover box insulation checking and replacement			
	3.24	ESP Hopper gate valves sealing rope/gasket replacement			
	3.25	ESP Hopper cleaning after completion of work			
	3.26	ESP Manhole door - Hopper & CERM area /Insulator Door Rope replacement & Box up. Channel locking arrangement in Hopper door as per instruction of DIL Engineer			
	3.27	ESP scrap material removal from site upto designated location			
	3.28	ESP Field rappers trial, charging, rectification if observed any defect			
4	<u>ID Fans Overhauling - 1A & 1B</u>				
	-	Pass - A			
	4.01	ID Van Plummer Block bearing inspection & replacement as required	lumps um	1	
	4.02	Voith coupling oil replacement			
	4.03	ID Fan Plummer block oil replacement			

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	4.04	Impeller gap & Seal inspection			
	4.05	ID Fan IGV inspection			
	4.06	Lube oil cooler Cleaning/flushing			
	4.07	Oil draining, Lube oil tank cleaning and oil replacement			
	4.08	Fan to Voith & Voith to Motor alignment			
	4.09	Dampers link and pin checking and scaffolding erection as per requirement			
	4.10	Checking and cleaning of Impeller			
	4.11	Fan trial and necessary correction if required			
	-	Pass-B			
	4.12	ID Fan Voith Coupling dismantling, inspection, all bearing replacement with new one & assembly work	lumps um	1	
	4.13	Voith coupling oil replacement			
	4.14	Plummer block Bearing Replacement & seal inspection			
	4.15	ID Fan Plummer block oil replacement			
	4.16	Impeller gap & Seal inspection			
	4.17	ID Fan IGV inspection			
	4.18	Lube oil cooler Cleaning/flushing			
	4.19	Oil draining, Lube oil tank cleaning and oil replacement			
	4.20	Fan to Voith & Voith to Motor alignment			
	4.21	Dampers link and pin checking and scaffolding erection as per requirement			
	4.22	Checking and cleaning of Impeller			
	4.23	Fan trial and necessary correction if required			
5	<u>PA Fans Overhauling - 1A & 1B</u>				
	-	PAFan-1A			
	5.01	PA Fan bearing housing removal, inspection, cleaning & oil leakage arresting and boxup	lumps um	1	
	5.02	Blade pitch actuator link inspection and rectification if required			
	5.03	Blade inspection and gap checking & blade pitch alignment			
	5.04	Servomotor inspection & rectification if required			
	5.05	Servomotor to outside actuator connecting link/bearing block inspection, rectification and alignment			
	5.06	Lube oil cooler Cleaning/flushing			
	5.07	Lube oil replacement			
	5.08	PA Fan suction duct inspection and necessary correction			

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	5.09	PA Fan silencer - splitter assembly replacement with new one. All necessary arrangement for splitter plate replacement i.e. Winch/Electric chainblock/scaffolding/material shifting from store to site and damaged material removal from site will be under contractor scope This job includes removal of FD fan re-circulation duct from FD fan to its damper at Boiler 23 meter, which is required for PA fan silencer work. After completion of job, this duct need to be shifted at desginted location as per DIL.			
	5.10	Lube oil station filter cleaning/NRV/Valve related defect attending work			
	5.11	Fan alignment			
	5.12	Fan trial and necessary correction if required			
		PA Fan-1B	lumps um	1	
	5.13	PA Fan bearing housing removal, inspection, cleaning & oil leakage arresting and boxup			
	5.14	Complete PA fan rotor assembly replacement with spare one			
	5.15	PA Fan silencer - splitter assembly replacement with new one. All necessary arrangement for splitter plate replacement i.e. Winch/Electric chainblock/scaffolding/material shifting from store to site and damaged material removal from site will be under contractor scope. This job includes removal of FD fan re-circulation duct from FD fan to its damper at Boiler 23 meter, which is required for PA fan silencer work. After completion of job, this duct need to be shifted at desginted location as per DIL.			
	5.16	Blade pitch actuator link inspection			
	5.17	Blade inspection and gap checking and blade pitch alignment			
	5.18	Servomotor inspection & rectification as required			
	5.19	Servomotor to outside actuator connecting link/bearing block inspection, rectification and alignment			
	5.20	Lube oil cooler Cleaning/flushing			
	5.21	Lube oil replacement			
	5.22	Lube oil station filter cleaning/NRV/Valve related defect attending work			
	5.23	PA Fan suction duct inspection and necessary correction as required			
	5.24	Fan alignment			
	5.25	Fan trial and necessary correction as required			
6	FD Fans Overhauling (1A & 1B)				

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	6.01	Blade inspection and gap checking	lumps um	1	
	6.02	Blade tightness checking			
	6.03	Servomotor inspection & rectification as required			
	6.04	Blade pitch alignment			
	6.05	FD Fan Diffusor alignment			
	6.06	Servomotor to outside actuator connecting link/bearing block inspection, rectification and alignment			
	6.07	Lube oil cooler - PHE cleaning/flushing, and replacement as required			
	6.08	FD Fan suction duct inspection and necessary correction			
	6.09	FD Fan 1A and 1B - silencer splitter assembly - replacement with new one. All necessary arrangement for splitter plate replacement i.e. Winch/Electric chainblock/scaffolding/material shifting from store to site and damaged material removal from site will be under contractor scope			
	6.10	Lube oil station, filter cleaning/NRV/Valve related defect attending work and PHE cleaning or replacement with spare one			
	6.11	Lube oil replacement			
	6.12	Fan alignment			
	6.13	Fan trial and necessary correction if required			
7	<u>Seal Air Fan (2A&2B)</u>				
	7.01	Discharge three way valve inspection & rectification as required	lumps um	1	
	7.02	fan bearing inspection and replacement as required			
	7.03	Lube oil replacement			
	7.04	Fan alignment			
	7.05	Seal air duct inspection and defect attending work as required			
	7.06	Seal air fan suction filter inspection & cleaning			
	7.07	Fan trial and necessary correction if required			
8	Electrical works				
	8.01	ID+FD+PA motor replacement	Each	1	
	8.02	Replacement of electrical MOVs in TG and Boiler area	nos	15	
	8.03	Replacement of level transmitter isolation valves of HP/LP heater size 1/2 inch	nos	30	
	<u>** Note to Contractor</u>				
	1.00	APH support bearing replacement - In addition to the scope, price for per bearing replacement shall be mentioned separately, if need to be replaced	Each	1	

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	2.00	APH guide bearing replacement - In addition to the scope, price for per bearing replacement shall be mentioned separately, if need to be replaced	Each	1	
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<u>AOH for Boiler Pressure Parts and Duct-dampers</u>						-
Sr. No.		Work Description	UOM	Qty	Remarks	
1		Boiler Furnace scaffolding	LUMPSUM	1		
	1.01	Boiler Manhole Opening & box-up after job completion				
	1.02	Full Cuplock scaffolding inside Boiler from 9 meter to 60 meter elevation consists - Bottom sealed Blanketing /top side full blanketing below PSH-DSH and coil approach for PHS-DSH-PRH-FRH & spacer tube and approach for roof tubes, All Burner nozzle full approach with landing platform, all four level wall sootblower peripheral platform with handrail,all corners SOFA nozzle platforms, 30-50 Degree slope Staircase with footstep and handrail includes landing platform for approach at all level of scaffolding from 9 meter. Complete Cuplock material will be under contractor scope includes bottom base frames/angles/channels/beams. Supplied scaffolding shall be as per standard. Scaffolding quality shall be duly certified by our HSE team during installation. Safety net - 2 Layer (Burner Bottom & Burner Top)				
	1.03	Scaffolding erection for Economiser Inlet header area (i.e. above Eco hopper zone) and its dismantling				
	1.04	Necessary scaffolding/platform erection for Final RH, Platen RH, Platen SH, Div SH, LTSH terminal tube, WW, Backpass screen tube and other area for inspection and thickness gauging and required tube rectification job				
	1.05	Other aux platform/scaffolding work for thickness survey/tube repair/shielding job/other AOH activities - material required for platform & scaffolding will be under contractor scope				
	1.06	Eco Hopper & casing area inside scaffolding and inspection, repairing of Baffle plate/diversion plate. Cleaning of Economiser hopper after completion of all Boiler 2nd pass work				
2		Boiler Water washing	LUMPSUM	1		
	2.01	Water washing of Intermediate Pass, LTSH/ECO/Back Pass wall by available fire fighting system				
	2.02	High pressure jet cleaning in Div SH, Platen SH & RH Coils, Wall RH tubes etc.				
3		Boiler Thickness survey				

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	3.01	1. DIL - Thickness Survey & physical inspection of Boiler as guided by DIL Engineer and submission thickness survey report in hard and soft copies. 2. HEL - Thickness Survey & physical inspection of Boiler will be carried out by HEL. However all assistance including scaffolding will be under contractor scope.	Each	14000		
4		Boiler Pressure part inspection & Repair	LUMPSUM	1		
	4.01	Complete Boiler Pressure part 1st and 2nd Pass (i.e. Water wall, burner panel, ww screen and hanger tube, Div SH/Platen SH, Platen RH/Final RH/Final SH/WW relief tube/ Backpass front screen tube/Backpass wall/ Wall RH/ LTSH/Economiser/ LTSH hanger tube, both pass Roof SH, Extended Wall of SH & RH etc.) physical inspection and tube repair/replacement if required				
	4.02	Repair/replacement of tube and valves as per thickness survey/physical inspection as guided by HEL Engineer (Joint considered - 300 Nos. at DIL/ 200 Nos. HEL)				
	4.03	Final SH/Div SH/Platen SH/Platen RH/Final RH coil individual tube male-female fixture correction/installation which includes welding process as per metallurgy of tubes				
	4.04	LTSH Coil tube inspection and rectification as required (ie. Tube cutting etc.) and Coil tube erosion protection plate erection as required. Work includes coil gapping as per requirement				
	4.05	Inspection of all small shield plate of all LTSH banks (erected at LTSH coil tubes adjacent to hangers) and it rectification/re-installation as required. which includes coil gapping & normalization & Alignment. Shield plate cutting as per requirement/suit at site to be done by contractor. 1 meter length half round shield plate will be provided by HEL/DIL				
	4.06	Economiser Bank eroded tube/bends replacement by coil gapping/lifting and alignment/normalization if required - All necessary arrangement with material for gapping/coil lifting, platform etc. will be under contractor scope				
	4.07	LTSH/Eco Coil fixtures inspection and rectification as required.				
	4.08	All wall sootblower & LRSB nozzle & sleeve inspection from inside and its repair/alignment, replacement of sleeve & support fin with water wall or back pass wall as required.				
	4.09	Any previously balance fin welding or leakage point in wall sootblower area to be re-welded				
	4.10	Wall RH inlet header guide support checking/repairing if required				

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	4.11	Seal plate of S-Panel zone/Rear arch Gallery & Pent house inspection and rectification if required (to be observed by ash leakage point)				
	4.12	All fins repair and rectification by full welding wherever gap observed.				
	4.13	NEW Shield Plate erection as per instruction of DIL Engineer			Approx qty- 500 Nos.	
	4.14	Damaged Shield plate removal/rectification/installation in inside boiler			Approx Qty 2000 Nos.	
	4.15	Drum Manhole opening, inside inspection, cleaning and rectification as required				
	4.16	Buckstay/leveller guide/buckstay-connecting pin/plate inspection and rectification includes vertical buckstays				
	4.17	Boiler 9 meter Front & Rear side dead zone buckstay support nut/bolt inspection and rectification, if any. Scaffolding required.				
	4.18	Hydraulic Tube bending machine as required for tube bending during AOH will be under contractor scope				
	4.19	Boiler water filling & Hydrotest				
	4.20	Scaffolding dismantling and removal from Boiler Inside (After Hydrotest) & Box-up				
	4.21	Assistance to other agency with manpower and T&P for all valve maintenance (i.e scaffolding, platform, approach, welding support, Actuator dismantling & installation support), and miscellaneous E&I help request related to Boiler and TG Area includes scaffolding material				
	4.22	Radiography/Stress relieving/Preheating /DP Testing of tube/Valves joints etc. as per requirement. All Equipment & necessary arrangement will be under contractor scope			SR and RT will be 100% .	
	4.23	Boiler Expansion measuring pointer & scale - inspection and rectification, if any				
5		Coal/Air Nozzle tip, Compartment, SADC & Windbox inspection and repair (In-situ) - includes SOFA system	LUMPSUM	1		
	5.01	All Coal Burner nozzle tip & its compartment, Secondary Air, CCOFA & SOFA nozzle thorough inspection and in-situ rectification by welding/hardfacing as per condition. Inspection of Coal nozzle lock pin/pivot and burner tilting/freeness checking/rectification as required. Flame scanner removal/repair/new re-installation				

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	5.02	Windbox/SOFA system leakage identification from duct and expansion bellow with its sealing points and rectification. Identified leakage points rectification as per guidance of HEL/DIL Engineer				
	5.03	Truss buckstay, its welding lugs & connection, windbox inside hanger support inspection & rectification				
	5.03	Complete SADC & SOFA damper inspection & rectification (i.e. SADC/SOFA de-link with C&I Actuator, approach platform erection inside Windbox upto all SADC/SOFA in all four corners, SADC/SOFA dampers freeness work and after mechanical freeness checking its link connection with actuator, Operation trial/cross checking and scaffolding removal.				
6		Hangers & Support	LUMPSUM	1		
	6.01	All hangers/supports inspection, cleaning and rectification as required or as directed by HEL/DIL Engineer Penthouse Inside & outside Hanger inspection, cleaning includes SHO/HRH/CRH/Feed water pipe & Boiler riser pipes hanger & fixed support, downcomer etc. Protocol to be maintained for all supports.				
	6.02	SHO/RHO headers restraint support inspection, cleaning and rectification, if required. Protocol to be maintained for all supports.				
	6.03	Inspection of all hanger support of critical pipings and necessary rectification, if any (MS/HRH/CRH/Feed water upto Turbine inlet)				
7		Ash cleaning	LUMPSUM	1		
	7.01	Ash cleaning (includes removal, transportation from point of origin to designated location includes transportation vehicle, gunny bag arrangement). Work to be started from 2nd day of shutdown and to be completed within 7 days.				
	7.02	a. Boiler Penthouse/Rear arch gallery/S-Panel Dead zone & Boiler outside/buckstay area				
	7.03	b. Windbox				
	7.04	c. Hot PA /Hot Secondary ducts includes mill inlet duct				
	7.05	d. Flue gas duct (from Boiler to ID Fan outlet)				
8		Ducts, Dampers & Gate. Coal Pipe, Bunker outlet MOV	LUMPSUM	1		
	8.01	Complete Air & Flue Gas duct inspection including DENOx duct, thickness survey as per requirement & its recording. Damaged duct plate repair/replacement as instructed by HEL/DIL Engineer.				
	8.02	Hot Secondary & Hot PA duct air foil inspection, cleaning & repair				
	8.03	Metallic expansion bellow repairing if found any leakage. Special tools/ Small size Argon torch as required for bellow repairing/welding to be arranged by contractor				

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	8.04	Scaffolding erection as per requirement for rectification & inspection.				
	8.05	Air & Flue Gas duct & Coal pipes support (hanger + fixed support + movable support) cleaning, inspection and rectification as required. Protocol to be maintained for the same.				
	8.06	All Air & Flue gas path damper & Gate inspection and rectification includes damper freeness, link repairing, lip seal repairing/replacement, gland replacement/addition, bearing freeness/greasing/repair & replacement. Actuator foundation inspection & strengthening as per requirement. All damper separate protocol to be maintained for freeness/ repair/ rectification. (Including IGVs at ID fan inlet)				
	8.07	Economizer to APH inlet duct diverter area inspection at repairing includes platform erection				
	8.08	Duct support inside bracing repairing/rectification/shielding				
	8.09	Mill side Hot PA duct damper gland shaft/gland bush repairing/ rectification and gland addition				
9		Refractory & Insulation work	LUMPSUM	1		
	9.01	Refractory inspection of Penthouse, S-panel dead zone, Rear Arch Gallery, Headers, Manhole, Peephole and repairing/re-casting if required				
	9.02	Application of plastic refractory around all 72 nos wall soot blower and burner panels, S-panel, and other manhole area as per HEL/DIL				
	9.03	Insulation removal/refixing work during AOH (Boiler/ducts/damper/ESP/APH area/coal pipe etc. (Boiler & its Aux area completely covered)				
10		Valve maintenance				
	10.01	Valve Gland packing renewal/addition (in Nos. of valves)	Each	120		
	10.02	Dismantling, servicing and assembly for Boiler Safety valve servicing including assistance in Boiler Online pressure setting (Trevitesting)	Each	5		
** Any shutdown defects which will be generated during operation will be listed separately and will be informed in advance before AOH/COH						
<u>Special Note</u>						
1		Economiser Coil lifting for necessary maintenance & normalization, if required (Separate price to be quoted by contractor)	Each	1		
			<u>Applicable</u>			
<u>Consumable for AOH under contractor scope</u>			<u>DIL</u>	<u>HEL</u>		
1		DA/Oxygen/Argon gas	Yes	Yes		

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2		Cutting/grinding wheel/emery paper/oil stone	Yes	No		
3		Cotton waste/markin cloth/purging paper	Yes	No		
4		Rustolene/WD40/molycoat/sealant/threadlocker/lapping paste/hylomer etc.	Yes	No		
5		Electrodes - 6013, 7018, 308,309 of D&H Secheron make only	Yes	No		
<u>Common Points under contractor scope</u>						
1		Scaffolding erection and dismantling for valve maintenance includes scaffolding material				
2		Support services (including manpower, Tools & tackles) required for E&I help request				
3		Labour License liasoning will under contractor scope				
4		Coordination with IBR (Boiler inspector) for successful hydro test and for obtaining steaming certificate and with factory inspector during AOH shall be in the scope of contractor				
5		Contractor have to follow DIL Safety Norms				
6		All T&Ps including lifting tools and tackles, hydraulic jacks, measuring instruments for jobs				
7		Pre and Post weld Heat treatment for applicable weld joints with Machine				
8		Radiography testing of valve joints and power cycle piping tubes/pipes. Complete arrangement & RT source will be under contractor scope				
9		Material Handling including the arrangement of Hydraulic/Mobile Crane will be under contractor Scope on round the clock basis with Operator				
10		Ash removal upto our designated place including Tractor-trolley set/or other device arrangement on round the clock basis				
11		Protocols and work reports to be submitted as per DIL/HEL EIC				
12		Only rooms for worker inside the plant will be provided by DIL , however bedding/fooding/trnasportation to & from etc will be under contractor's scope.				