

FGD - Equipment List

	Owner: HINDALCO INDUSTRIES LIMITED Ahura Centre, 1st Floor, B Wing, Mahakali Caves Road, Andheri (East), Mumbai - 400 093, India
	EPCM Contractor: W. L. GORE & ASSOCIATES (Pacific) Pte. Ltd. India Branch 703, A-Wing, 215 Atrium, Andheri Kurla Road, Mumbai 400059, India
	Nominated Subcontractor - Engineering, Quality Control, Supervision: SMARTLuth Solution and Service Pvt. Ltd. Unit No: 503, 5th Floor, ECO Centre, EM-4 Sector-V, Salt Lake City, Kolkata - 700091, India

FGD EQUIPMENT LIST

Sr no	Tag No	PFD Ref. No.	Equipment name	SPEC.	QTY	Unit	Ref. doc. to	Remarks
A MAJOR EQUIPMENTS								
1	50HNC10AN001	S21001-XF01-05HSD-227001	BOOSTER FAN WITH 2 NOS. SUCTION DAMPER		1	Set	Vendor drg/doc. No.:-	
2	50HTH10AC001	S21001-XF01-05HSD-227001	MIST COOLING UNIT		1	No	Drg/doc. No.:-	
3	50HSD10BA001	S21001-XF01-05HSD-227001	FLUE GAS TREATMENT REACTOR		1	No	Drg/doc. No.:-	
4	50HSF10BC001	S21001-XF01-05HSD-227001	MIST ELIMINATOR		1	Set	Vendor drg/doc. No.:-	
5	50HNE10UD001	S21001-XF01-05HSD-227001	WET STACK		1	No	Drg/doc. No.:-	
6	50GNK10AA007	S21001-XF01-05HSD-227001	NEUTRALISATION TANK	Cap.-10 m3	1	No	Drg/doc. No.:-	
B OTHER EQUIPMENTS								
1	50HSM21ADXXX	S21001-XF01-05HSD-227001	MCU MISTING NOZZLES		1	Lot	Nozzle schedule	
2	50HTH10ADXXX	S21001-XF01-05HSD-227001	MCU SAFETY NOZZLES		1	Lot	Nozzle schedule	
3	50GNK20ADXXX	S21001-XF01-05HSD-227001	MCU HOPPER CLEANING NOZZLES		1	Lot	Nozzle schedule	
4	Under Development	S21001-XF01-05HSD-227001	CATALYST MODULES		1	Lot	W.L.Gore doc. No.:-	
5	50HSM20ADXXX	S21001-XF01-05HSD-227001	MODULE WASH NOZZLES		990	Nos	Nozzle schedule	
6	50HSM20ADXXX	S21001-XF01-05HSD-227001	MODULE MISTING NOZZLES		440	Nos	Nozzle schedule	
7	50PBL20ADXXX	S21001-XF01-05HSD-227001	MAKE-UP WATER NOZZLES		1	Lot	Nozzle schedule	
8	50PBL20ADXXX	S21001-XF01-05HSD-227001	DEMISTER WASH NOZZLES		1	Lot	Nozzle schedule	
9	50HSM40ADXXX	S21001-XF01-05HSD-227001	FGTR HOPPER CLEANING NOZZLES		1	Lot	Nozzle schedule	
10	50HTA10AQXXX		EXPANSION JOINTS		1	Lot	Expansion Joint schedule	
C TANKS								
1	50PBL10BB001	S21001-XF01-05HSD-227001	FRESH WATER TANK	Cap.-25 m3	1	No	Drg/doc. No.:-	
2	50GNK10BB002	S21001-XF01-05HSD-227001	PROCESS WATER TANK (0.25% ACID CONCENTRATION)	Cap.-50 m3	1	No	Drg/doc. No.:-	
3	50PBL20BB003	S21001-XF01-05HSD-227001	OVERHEAD TANK	Cap.-5 m3	1	No	Drg/doc. No.:-	
4	50HSM32BB004	S21001-XF01-05HSD-227001	EFFLUENT STORAGE TANK	Cap.-50 m3	1	No	Drg/doc. No.:-	
5	50GNE10BB005	S21001-XF01-05HSD-227001	SAC RECOVERED WATER TANK	Cap.-50 m3	1	No	Drg/doc. No.:-	
6	50GNE20BB006	S21001-XF01-05HSD-227001	95% H2SO4 STORAGE TANK	Cap.-50 m3	1	No	Drg/doc. No.:-	

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D								
PUMPS								
1	50PBL11AP003	S21001-XF01-05HSD-227001	MIST-ELIMINATOR/OHT FGTR MAKE-UP/ ASH FILTER- FRESH WATER PUMP-A	Cap-40 m3/Hr. HEAD 60 MWC	1	Set	Vendor drg/doc. No.:-	
2	50PBL12AP004	S21001-XF01-05HSD-227001	MIST-ELIMINATOR/OHT FGTR MAKE-UP/ ASH FILTER- FRESH WATER PUMP-B	Cap-40 m3/Hr. HEAD 60 MWC	1	Set	Vendor drg/doc. No.:-	
3	50GNK21AP001	S21001-XF01-05HSD-227001	PROCESS WATER PUMP -A	Cap- 36 m3/Hr. HEAD 190 MWC	1	Set	Vendor drg/doc. No.:-	
4	50GNK22AP002	S21001-XF01-05HSD-227001	PROCESS WATER PUMP -B	Cap- 36 m3/Hr. HEAD 190 MWC	1	Set	Vendor drg/doc. No.:-	
5	50HSM11AP005	S21001-XF01-05HSD-227001	FGTR MODULE WASH PUMP-A	Cap- 53m3/Hr. HEAD 65 MWC	1	Set	Vendor drg/doc. No.:-	
6	50HSM12AP006	S21001-XF01-05HSD-227001	FGTR MODULE WASH PUMP-B	Cap- 53m3/Hr. HEAD 65 MWC	1	Set	Vendor drg/doc. No.:-	
7	50GNK11AP009	S21001-XF01-05HSD-227001	PUMP TO CLIENT SERVICES-A	Cap- 15 m3/Hr. HEAD 30 MWC	1	Set	Vendor drg/doc. No.:-	
8	50GNK12AP010	S21001-XF01-05HSD-227001	PUMP TO CLIENT SERVICES-B	Cap- 15 m3/Hr. HEAD 30 MWC	1	Set	Vendor drg/doc. No.:-	
9	50HSM21AP007	S21001-XF01-05HSD-227001	FGTR EFFLUENT TRANSFER PUMP-A	Cap- 12 m3/Hr. HEAD 30 MWC	1	Set	Vendor drg/doc. No.:-	
10	50HSM22AP008	S21001-XF01-05HSD-227001	FGTR EFFLUENT TRANSFER PUMP-B	Cap- 12 m3/Hr. HEAD 30 MWC	1	Set	Vendor drg/doc. No.:-	
11	50HSM33AP011	S21001-XF01-05HSD-227001	SAC INLET PUMP-A		1	Set	Vendor drg/doc. No.:-	
12	50HSM34AP012	S21001-XF01-05HSD-227001	SAC INLET PUMP-B		1	Set	Vendor drg/doc. No.:-	
13	50GNE11AP013	S21001-XF01-05HSD-227001	SAC RECOVERED WATER -A		1	Set	Vendor drg/doc. No.:-	
14	50GNE12AP014	S21001-XF01-05HSD-227001	SAC RECOVERED WATER -B		1	Set	Vendor drg/doc. No.:-	
15	50GNE23AP015	S21001-XF01-05HSD-227001	SAC START-UP RECIRCULATION PUMP - A		1	Set	Vendor drg/doc. No.:-	
16	50GNE24AP016	S21001-XF01-05HSD-227001	SAC START-UP RECIRCULATION PUMP - B		1	Set	Vendor drg/doc. No.:-	
17	50GNE21AP017	S21001-XF01-05HSD-227001	CONCENTRATED ACID LOADING PUMP - A		1	Set	Vendor drg/doc. No.:-	
18	50GNE22AP018	S21001-XF01-05HSD-227001	CONCENTRATED ACID LOADING PUMP - B					
E								
DAMPERS								
1	50HTA10AQ001	S21001-XF01-05HSD-227001	DAMPER		1	Set	Vendor drg/doc. No.:-	
2	50HTA11AQ004	S21001-XF01-05HSD-227001	DAMPER		1	Set	Vendor drg/doc. No.:-	
3	50HTA20AQ002	S21001-XF01-05HSD-227001	DAMPER		1	Set	Vendor drg/doc. No.:-	
4	50HT22AQ003	S21001-XF01-05HSD-227001	DAMPER		1	Set	Vendor drg/doc. No.:-	
F								
FILTERS								
1	50HSM31CP313	S21001-XF01-05HSD-227001	FGTR EFFLUENT ASH FILTER -A		1	Set	Vendor drg/doc. No.:-	
2	50HSM32CP314	S21001-XF01-05HSD-227001	FGTR EFFLUENT ASH FILTER -B		1	Set	Vendor drg/doc. No.:-	

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G								
ACID PLANT								
1	50XXXXXXXX	S21001-XF01-05HSD-227001	ACID PLANT PROPER		1	Set	Vendor drg/doc. No.:-	
H								
ELECTRICAL ITEMS								
1	Under Development	S21001-XF01-05HSD-227001	TRANSFORMER		1	Set	Vendor drg/doc. No.:-	
2	Under Development	S21001-XF01-05HSD-227001	BOOSTER FAN VFD PANEL		1	Set	Vendor drg/doc. No.:-	
3	Under Development	S21001-XF01-05HSD-227001	PMCC FOR PROCESS PLANT		1	Set	Vendor drg/doc. No.:-	
4	Under Development	S21001-XF01-05HSD-227001	GROUNDING MATERIALS		1	lot	Drg/doc. No.:-	
5	Under Development	S21001-XF01-05HSD-227001	POWER AND CONTROL CABLE		1	lot	Cable Schedule	
6	Under Development	S21001-XF01-05HSD-227001	CABLE TRAYS WITH ACCESSORIES		1	lot	Cable Tray Schedule	
7	Under Development	S21001-XF01-05HSD-227001	LIGHTNING ARRESTOR		1	lot	Vendor drg/doc. No.:-	
8	Under Development	S21001-XF01-05HSD-227001	AVIATION LIGHT					
9	Under Development	S21001-XF01-05HSD-227001	JUNCTION BOX, LPBS		1	lot	JB & LPBS Schedule	
10	Under Development	S21001-XF01-05HSD-227001	PLANT AREA LIGHTING		1	set	Vendor drg/doc. No.:-	
I								
PIPE, FITTINGS & VALVES								
1	Under Development		MISC. METALIC VALVES		1	lot	Valve Schedule	
2	Under Development		MISC. NON-METALIC VALVES		1	lot	Valve Schedule	
3	Under Development		PIPE & PIPE FITTINGS (SS 317 LMN)		1	lot	Pipe Schedule	
4	Under Development		PIPE & PIPE FITTINGS (CARBON STEEL)		1	lot	Pipe Schedule	
5	Under Development		PIPE & PIPE FITTINGS (CARBON STEEL GALV)		1	lot	Pipe Schedule	
6	Under Development		PIPE & PIPE FITTINGS (FRP)		1	lot	Pipe Schedule	
7	Under Development		INSULATION AND CLADDING		1	lot	Insulation Schedule	
J								
CONTROL & INSTRUMENTS								
1	Under Development		FIELD INSTRUMENTS		1	lot	Instrument Schedule	
2	Under Development		INSTRUMENT HOOK UP HARDWARES		1	lot	Drg/doc. No.:-	
3	Under Development		PLC BASED MAIN CONTROL PANEL		1	Set	Vendor drg/doc. No.:-	
4	Under Development		CMS PANEL		2	Sets	Vendor drg/doc. No.:-	
K								
FIRE PROTECTION								
1	Under Development		HYDRANT, LANDING VALVES		1	lot	FP Schedule	
2	Under Development		MULTISENSOR DETECTORS		1	lot	FP Schedule	
3	Under Development		LOCAL CALL POINTS		1	lot	FP Schedule	
L								
PLANT FACILITIES								
1	Under Development		AIR CONDITIONING MACHINE		1	set	Vendor drg/doc. No.:-	
2	Under Development		HANDLING EQUIPMENT		1	set	Vendor drg/doc. No.:-	
3	Under Development		FGTR MODULE LIFTING HOIST		1	set	Vendor drg/doc. No.:-	
4	Under Development		MANUAL CHAIN PULLEY BLOCK		2	sets	Vendor drg/doc. No.:-	