

PART LIST -WBS BOM

H.Material	WBS Element No	BOM St	Plant	Header Desc	Base Qty(EA)
03310700030-00	P-1043000700-33107	05	P001	FABRICATED CASING ASSEMBLY	1

Req Qt	Des No	Net Weight	Created by	Created on	Changed on
1		54,000.000	6145558	05.01.2023	07.01.2023

Customer Name	Project Name	Drng No	Drng Rev	Part Number
Numaligarh Refinery Limited	Main Air Blower for PFCC Unit of NREP-ENK 50/56-3+DMCL1008	03310700030-00	01	

Ly	Pos No	Part No	Item Material No	Mattyp	SPK	Description				
RM SIZE										
RMS unit	RM pieces	Qty in MU	Qty Unit	Net Wt(kg)	Shaped Wt(Kg)	Drng no			Drng Rev	
Spec No	SRev	Matl.Std	Insp agency	Des No	Bas eqt	DU	Ph	Spr Ind	Valid from	
Engineering Remarks					Technology Remarks					
1	0001	33107003	23310700051-00	HALB	E	CASING ENVELOPE WITH ROUNDED BOTTOMS				
		1.000	EA	20,600.000	0.000	23310700051-00			00	
						1	MA	x	05.01.2023	
2	0001	33107004	23310700052-00	HALB	E	CASING ENVELOPE				
		1.000	EA	10,800.000	0.000	23310700052-00			00	
						1	MA	x	05.01.2023	
3	0001	33107005	HY1041898215	ZROH	F70	PLT BQ 63 (SA516 GR70)				
RECTANGLE :5,100.000 X2,400.000										
MM	2.000	12,106.584	KG	4,666.079	4,666.079					
	HY10498	01	SA516GR70				MA		05.01.2023	
3	0002	33107006	HY1041898215	ZROH	F70	PLT BQ 63 (SA516 GR70)				
SEMI-CIRCLE :D=300.000										
MM	6.000	104.874	KG	17.479	17.479					
	HY10498	01	SA516GR70				MA		05.01.2023	
3	0003	33107007	AA1012708039	ZROH	F70	CHANNEL 100X50 IS2062GRE250 QLTY-A				
LENGTH =1,350.000										
MM	18.000	223.560	KG	12.420	12.420	NA				00
	AA10108	11					MA		05.01.2023	
2	0002	33107008	33310700081-00	HALB	F30	ROUNDED BOTTOM MACHINED				
		2.000	EA	5,266.000	0.000	33310700081-00			01	
						1	MA	x	05.01.2023	

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Lv	Pos No	Part No	Item Material No	Matlytp	SPK	Description										
RM SIZE																
RMS unit	RM pieces	Qty in MU	Qty Unit	Net Wt(kg)	Shaped Wt(Kg)	Drng no					Drng Rev					
Spec No		SRev	Matl.Std		Insp agency	Des No			Bas eqt	DU	Ph	Spr Ind	Valid from			
Engineering Remarks						Technology Remarks										
3	0001	33107009	TC9710593013	ZSUD	F	ROUNDED BOTTOM										
			2.000	EA	5,400.000	0.000	33310720005-00					01				
		TC32026-04	06						MA			05.01.2023				
1	0002	33107010	03310700033-00	HALB	E	DMCL 1008 - FAB.CASING - TB SIDE DETAILS										
			1.000	EA	3,000.000	0.000	03310700033-00					00				
		HY19364	02					1	MA	x		05.01.2023				
2	0001	33107011	33310700075-00	HALB	F30	UPPER END COVER - TB & OTB SIDE										
			1.000	EA	770.000	0.000	33310700075-00					00				
								1	MA	x		05.01.2023				
3	0001	33107023	TC9416450030	ZSUD	F	FORGING HALF RING UPPER - DE & NDE SIDE										
			1.000	EA	2,125.000	0.000	43310720007-01					01				
		HY19364	02						MA			05.01.2023				
2	0002	33107013	33310701020-00	HALB	E	BEARING COVER - TB SIDE										
			1.000	EA	275.000	0.000	33310701020-00					00				
		HY19364	02					1	MA			05.01.2023				
3	0001	33107014	TC9416450065	ZSUD	F	FORGING HALF RING BRG UPPER - NDE SIDE										
			1.000	EA	625.000	0.000	43310720007-04					01				
		HY19364	02						MA			05.01.2023				

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Req Qt	Des No	Net Weight	Created by	Created on	Changed on
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Customer Name	Project Name	Drng No	Drng Rev	Part Number
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Ly	Pos No	Part No	Item Material No	Mattyp	SPK	Description					
RM SIZE											
RMS unit	RM pieces	Qty in MU	Qty Unit	Net Wt(kg)	Shaped Wt(Kg)	Drng no			Drng Rev		
Spec No	SRev	Matl.Std		Insp agency	Des No	Bas eqt	DU	Ph	Spr Ind	Valid from	
Engineering Remarks					Technology Remarks						
2	0003	33107015	33310700102-00	HALB	E	LOWER END COVER - TB SIDE					
		1.000	EA	1,955.000	0.000	33310700102-00			00		
	HY19364	02				1	MA	x		05.01.2023	
3	0001	33107016	TC9416450049	ZSUD	F	FORGING HALF RING LOWER - NDE SIDE					
		1.000	EA	3,450.000	0.000	43310720007-02			01		
	HY19364	02					MA			05.01.2023	
2	0004	33107017	TC92024-05	HALB	E30	GAS PLUG DIA 1 1/4"					
		2.000	EA	0.270	0.000	TC92024-05			03		
						1	MA	x		05.01.2023	
3	0001	33107029	AA1070221180	ZROH	F70	ROUND 50 SS H&T GR.X20CR13					
LENGTH =55.000											
MM	2.000	1.728	KG	1.000	0.000						
	AA10721	07		A1			MA			05.01.2023	
2	0005	33107019	TC92024-06	HALB	E	PLUG DIA 1 1/2 " GAS					
		4.000	EA	0.420	0.000	TC92024-06			03		
						1	MA	x		05.01.2023	
3	0001	33107031	AA1070221201	ZROH	F70	ROUND 63 SS H&T GR.X20CR13					
LENGTH =45.000											
MM	4.000	4.488	KG	1.122	0.000						
	AA10721	07		A1			MA			05.01.2023	

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Req Qt	Des No	Net Weight	Created by	Created on	Changed on
1		54,000.000	6145558	05.01.2023	07.01.2023

Customer Name	Project Name	Drg No	Drg Rev	Part Number
Numaligarh Refinery Limited	Main Air Blower for PFCC Unit of NREP-ENK 50/56-3+DMCL1008	03310700030-00	01	

Ly	Pos No	Part No	Item Material No	Mattyp	SPK	Description					
RM SIZE											
RMS unit	RM pieces	Qty in MU	Qty Unit	Net Wt(kg)	Shaped Wt(Kg)	Drg no			Drg Rev		
Spec No	SRev	Matl.Std		Insp agency	Des No	Bas eqt	DU	Ph	Spr Ind	Valid from	
Engineering Remarks					Technology Remarks						
1	0005	33107021	03310700034-00	HALB	E	DMCL1008 - FAB.CASING - OTB SIDE DETAILS					
		1.000	EA	2,180.000	0.000	03310700034-00			00		
						1	MA	x		05.01.2023	
2	0001	33107022	33310700075-00	HALB	F30	UPPER END COVER - TB & OTB SIDE					
		1.000	EA	770.000	0.000	33310700075-00			00		
						1	MA	x		05.01.2023	
3	0001	33107023	TC9416450030	ZSUD	F	FORGING HALF RING UPPER - DE & NDE SIDE					
		1.000	EA	2,125.000	0.000	43310720007-01			01		
		HY19364	02				MA			05.01.2023	
2	0002	33107024	33310701021-00	HALB	E	BEARING COVER - OTB SIDE					
		1.000	EA	115.000	0.000	33310701021-00			00		
		HY19364	02			1	MA			05.01.2023	
3	0001	33107025	TC9416450073	ZSUD	F	FORGING HALF RING BRG UPPER - DE SIDE					
		1.000	EA	280.000	0.000	43310720007-05			01		
		HY19364	02				MA			05.01.2023	
2	0003	33107026	33310700103-00	HALB	E	LOWER END COVER - OTB SIDE					
		1.000	EA	1,300.000	0.000	33310700103-00			00		
						1	MA	x		05.01.2023	

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Req Qt	Des No	Net Weight	Created by	Created on	Changed on
1		54,000.000	6145558	05.01.2023	07.01.2023

Customer Name	Project Name	Drng No	Drng Rev	Part Number
Numaligarh Refinery Limited	Main Air Blower for PFCC Unit of NREP-ENK 50/56-3+DMCL1008	03310700030-00	01	

Ly	Pos No	Part No	Item Material No	Mattyp	SPK	Description					
RM SIZE											
RMS unit	RM pieces	Qty in MU	Qty Unit	Net Wt(kg)	Shaped Wt(Kg)	Drng no			Drng Rev		
						Bas eqt	DU	Ph	Spr Ind	Valid from	
Spec No	SRev	Matl.Std		Insp agency	Des No						
Engineering Remarks						Technology Remarks					
3	0001	33107027	TC9416450057	ZSUD	F	FORGING HALF RING LOWER - DE SIDE					
			1.000	EA	3,050.000	0.000	43310720007-03			01	
		HY19364	02				MA			05.01.2023	
2	0004	33107028	TC92024-05	HALB	E30	GAS PLUG DIA 1 1/4"					
			2.000	EA	0.270	0.000	TC92024-05			03	
							1	MA	x	05.01.2023	
3	0001	33107029	AA1070221180	ZROH	F70	ROUND 50 SS H&T GR.X20CR13					
LENGTH =55.000											
MM	2.000	1.728	KG	1.000	0.000						
	AA10721	07		A1			MA			05.01.2023	
2	0005	33107030	TC92024-06	HALB	E	PLUG DIA 1 1/2 " GAS					
			4.000	EA	0.420	0.000	TC92024-06			03	
							1	MA	x	05.01.2023	
3	0001	33107031	AA1070221201	ZROH	F70	ROUND 63 SS H&T GR.X20CR13					
LENGTH =45.000											
MM	4.000	4.488	KG	1.122	0.000						
	AA10721	07		A1			MA			05.01.2023	
1	0009	33107032	13310700030-00	HALB	E	PARTING PLANE - LOWER - DMCL1008					
			2.000	EA	2,800.000	0.000	13310700030-00			00	
							1	MA	x	05.01.2023	

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Lv	Pos No	Part No	Item Material No	Matl typ	SPK	Description																	
RM SIZE																							
RMS unit		RM pieces		Qty in MU		Qty Unit		Net Wt(kg)		Shaped Wt(Kg)		Drng no				Drng Rev							
Spec No			SRev		Matl.Std			Insp agency		Des No			Bas eqt	DU	Ph	Spr Ind	Valid from						
Engineering Remarks												Technology Remarks											
2	0001	33107033	TC9715441033	ZSUD	F	PARTING PLANE CASTING - LOWER																	
		2.000		EA		3,000.000		0.000		13310710008-00				01									
NA-NA			00								MA		05.01.2023										
1	0010	33107034	13310700029-00	HALB	E	PARTING PLANE - UPPER - DMCL1008																	
		2.000		EA		2,200.000		0.000		13310700029-00				00									
											1	MA	x	05.01.2023									
2	0001	33107035	TC9715441025	ZSUD	F	PARTING PLANE CASTING - UPPER																	
		2.000		EA		2,700.000		0.000		13310710007-00				00									
NA-NA			00								MA		05.01.2023										
1	0011	33107036	13310700031-00	HALB	E	SUCTION NOZZLE - DIA 48 - 300#																	
		2.000		EA		2,200.000		0.000		13310700031-00				00									
											1	MA	x	05.01.2023									
2	0001	33107037	TC9416442283	ZSUD	F	NOZZLE FLANGE FORG DIA 48"-300# (10KSC)																	
		2.000		EA		636.000		0.000		NA				00									
TC32056-17			03								MA		05.01.2023										
2	0002	33107038	33310700092-00	HALB	E	HALF PIPE FOR DIA 48" NOZZLE																	
		4.000		EA		750.000		0.000		33310700092-00				00									
											1	MA	x	05.01.2023									

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LV	Pos No	Part No	Item Material No	Mattyp	SPK	Description				
RM SIZE										
RMS unit	RM pieces	Qty in MU	Qty Unit	Net Wt(kg)	Shaped Wt(Kg)	Drng no			Drng Rev	
Spec No	SRev	Matl.Std		Insp agency	Des No	Bas eqt	DU	Ph	Spr Ind	Valid from
Engineering Remarks					Technology Remarks					
3	0001	33107039	HY1041870159	ZROH	F70	PLT BQ 25 MM (SA516 GR70)				
LENGTH =2,300.000										
MM	4.000	3,520.724	KG	657.045	657.045					
HY10470		10	SA516GR70				MA			05.01.2023
2	0003	33107040	43310700118-00	HALB	E	RIB FOR DIA 48" NOZZLE				
LENGTH =1,200.000										
		2.000	EA	210.000	0.000	43310700118-00			00	
						1	MA	x		05.01.2023
3	0001	33107041	HY1041870159	ZROH	F70	PLT BQ 25 MM (SA516 GR70)				
LENGTH =1,200.000										
MM	2.000	565.200	KG	269.844	269.844					
HY10470		10	SA516GR70				MA			05.01.2023
1	0012	33107042	13310700038-00	HALB	E	DISCHARGE NOZZLE - DIA 44 - 300#				
LENGTH =1,200.000										
		1.000	EA	1,760.000	0.000	13310700038-00			00	
						1	MA	x		05.01.2023
2	0001	33107043	TC9416415103	ZSUD	F	NOZZLE FLANGE FORG DIA 44"-300# (10KSC)				
LENGTH =1,200.000										
		1.000	EA	529.000	0.000	NA			00	
TC32056-16		03					MA			05.01.2023
2	0002	33107044	33310700101-00	HALB	E	HALF PIPE FOR DIA 44" NOZZLE				
LENGTH =1,200.000										
		2.000	EA	615.000	0.000	33310700101-00			00	
						1	MA	x		05.01.2023

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Lv	Pos No	Part No	Item Material No	Matl typ	SPK	Description									
RM SIZE															
RMS unit	RM pieces	Qty in MU	Qty Unit	Net Wt(kg)	Shaped Wt(Kg)	Drng no					Drng Rev				
						Bas eqt	DU	Ph	Spr	Ind	Valid from				
Spec No		SRev	Matl.Std	Insp agency	Des No										
Engineering Remarks						Technology Remarks									
3	0001	33107045	HY1041870159	ZROH	F70	PLT BQ 25 MM (SA516 GR70)									
LENGTH =1,800.000															
MM	2.000	1,624.950	KG	657.045	657.045										
HY10470		10	SA516GR70				MA				05.01.2023				
1	0013	33107046	43310700119-00	HALB	E	INLET RIB ON SUCTION SIDE									
RECTANGLE :800.000 X1,000.000															
		2.000	EA	125.000	0.000	43310700119-00					00				
						1	MA	x			05.01.2023				
2	0001	33107047	HY1041870183	ZROH	F70	PLT BQ 36 (SA516 GR70)									
RECTANGLE :800.000 X1,000.000															
MM	2.000	452.160	KG	226.080	226.080										
HY10470		10	SA516GR70				MA				05.01.2023				
1	0018	33107048	43310700112-00	HALB	F30	GUIDE BLOCK - SUCTION SIDE									
RECTANGLE :800.000 X1,000.000															
		2.000	EA	34.000	0.000	43310700112-00					01				
						1	MA	x			05.01.2023				
2	0001	33107049	HY1041898231	ZROH	F70	PLT BQ 80 (SA516 GR70)									
SQUARE= 300.000 X 300.000															
MM	2.000	113.040	KG	56.520	0.000										
HY10498		01	SA516GR70				MA				05.01.2023				
1	0020	33107050	33310700093-00	HALB	E	HALF RING FOR COUNTER CASING FIXING									
RECTANGLE :800.000 X1,000.000															
		4.000	EA	3,000.000	0.000	33310700093-00					00				
						1	MA	x			05.01.2023				

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RM SIZE											
RMS unit	RM pieces	Qty in MU	Qty Unit	Net Wt(kg)	Shaped Wt(Kg)	Drng no			Drng Rev		
Spec No	SRev	Matl.Std	Insp agency	Des No	Bas eqt	DU	Ph	Spr Ind	Valid from		
Engineering Remarks					Technology Remarks						
2	0001	33107051	43310700120-00	HALB	E	HALF RING FOR COUNTER CASING FIXING					
		4.000	EA	1,410.000	0.000	43310700120-00			00		
						1	MA	x	05.01.2023		
3	0001	33107056	HY1041898231	ZROH	F70	PLT BQ 80 (SA516 GR70)					
HALF RING: D =3,020.000 /1,840.000 ,PP ALW=15.000											
MM	4.000	5,701.612	KG	1,417.893	1,417.893						
	HY10498	01	SA516GR70				MA		05.01.2023		
2	0002	33107053	33310700093-00P2	HALB	E	REINFORCEMENT PLATE					
		48.000	EA	48.000	0.000	33310700093-00			00		
						1	MA	x	05.01.2023		
3	0001	33107054	HY1041870175	ZROH	F70	PLT BQ 32 MM (SA516 GR70)					
RECTANGLE :425.000 X160.000											
MM	48.000	819.936	KG	17.082	17.082						
	HY10470	10	SA516GR70				MA		05.01.2023		
2	0003	33107055	43310700120-00	HALB	E	HALF RING FOR COUNTER CASING FIXING					
		4.000	EA	1,410.000	0.000	43310700120-00			00		
						1	MA	x	05.01.2023		
3	0001	33107056	HY1041898231	ZROH	F70	PLT BQ 80 (SA516 GR70)					
HALF RING: D =3,020.000 /1,840.000 ,PP ALW=15.000											
MM	4.000	5,701.612	KG	1,417.893	1,417.893						
	HY10498	01	SA516GR70				MA		05.01.2023		