

Running Hours:

Questions:

Hassyan		ST10		ST accumulative (EOH)-210 days/year			18,224	23,264	28,304	33,344	38,384	43,424	48,4
Hassyan		ST20		ST accumulative (EOH)-210 days/year			14,627	19,667	24,707	29,747	34,787	39,827	44,8
Hassyan		ST30		ST accumulative (EOH)-210 days/year			6,325	11,365	16,405	21,445	26,485	31,525	36,5
Hassyan		ST40		ST accumulative (EOH)-210 days/year				6,000	11,040	16,080	21,120	26,160	31,2
Hassyan		ST10		Proposed				B-Insp		C-Insp			
Hassyan		ST20		Proposed					B-Insp				
Hassyan		ST30		Proposed							B-Insp		
Hassyan		ST40		Proposed								B-Insp	

73,664	78,704	83,744	88,784	93,824	98,864	103,904	108,944	113,984	119,024	124,064	129,104	134,144	139,184	-End of Contract-	
70,067	75,107	80,147	85,187	90,227	95,267	100,307	105,347	110,387	115,427	120,467	125,507	130,547	135,587	-End of Contract-	
61,765	66,805	71,845	76,885	81,925	86,965	92,005	97,045	102,085	107,125	112,165	117,205	122,245	127,285	-End of Contract-	
56,400	61,440	66,480	71,520	76,560	81,600	86,640	91,680	96,720	101,760	106,800	111,840	116,880	121,920	-End of Contract-	
B-Insp					B-Insp							C-Insp		-End of Contract-	
	B-Insp					C-Insp					B-Insp			-End of Contract-	
			B-Insp					C-Insp						-End of Contract-	
				B-Insp					C-Insp					-End of Contract-	

Here B-Inspection will occur after 25000 hrs and the plant will remain closed for inspection for 27 days. But we can see the inspection occurred in the second year and 25000 mark is not achieved and how come the working hours for the next year increased by the same factor if inspection occurred the plant would remain closed and working hour for next year should definitely.

For ST-10 C-Inspection first c inspection date is set to be 2026 and next outage will occur after 100000 hours.

Plant	Category	ST	Inspection Hours	Contract year		Y5	Y6	Y7	Y8	Y9	Y10	Y11
				FY		2023	2024	2025	2026	2027	2028	2029
Sohar	EOH	ST18	Steam Turbine: Class A- 7 days (10500 Hrs) Class B- 20 days (20000 -30000 Hrs) Class C- 20 days (40000 -60000 Hrs) Class C- 28 days (75000 Hrs)	ST accumulative (EOH)		30052	35212	40372	45532	50692	55852	61012
Sohar	EOH	ST28		ST 28 accumulative (EOH)		29934	36786	43638	50490	57342	64194	71046
Sohar	B Insp-4 Minor	ST18	Steam Turbine Generator: Class A- 4 days (14000 -18000 Hrs) Class B- 14 days (32000 -36000 Hrs) Class C- 28 days (66000-72000 Hrs)	As Per NIMES		B-Insp				B-Insp		
Sohar	C Insp-2 Major	ST28		As Per NIMES			B-Insp				B-Insp	
Sohar	B Insp-4 Minor	ST18		ST Inspection Type (EOH)		1st BIN Q4						2st BIN
Sohar	C Insp-2 Major	ST28		ST Inspection Type (EOH)			1st BIN Q1			2st BIN		
Sohar		ST18	Steam Turbine: Class A- 7 days (10500 Hrs) Class B- 20 days (20000 Hrs) Class C- 20 days (40000 Hrs) Class C- 28 days (80000 Hrs)	Proposed		1st BIN Q4						2st BIN
Sohar	B Insp-4 Minor	ST28	Steam Turbine Generator: Class A- 4 days (14000 -18000 Hrs) Class B- 14 days (30000 Hrs) Class C- 28 days (60000 Hrs)	Proposed			1st BIN Q1			2st BIN		

Didn't quite get 1<sup>st</sup> BIN Q4 and the rest.

Plant	Category	ST	Inspection Hours	Contract year			Y5	Y6	Y7	Y8	Y9	Y10	Y11
				FY	2021	2022	2023	2024	2025	2026	2027	2028	2029
	EOH	ST10		ST accumulative (EOH)			31,959	38,618	45,558	51,801	57,933	64,065	70,197
	EOH	ST20		ST accumulative (EOH)			28,637	34,489	41,569	54,007	60,139	66,271	72,403
Salalah	B Insp-4 Minor C Insp-2 Major	ST10	BI - Borescope Inspection - Annual B Inspection -B - Intermediate Inspection 25000 Hours C-Inspection -MI Major Inspection, ST 50000 hours	NMES Contract	B Insp				C Insp				B Insp
		ST20		NMES Contract		B Insp			C Insp				
Salalah	B Insp-4 Minor	ST10		As per EOH			B-Insp			C-Insp			
Salalah	C Insp-2 Major	ST20		As per EOH				B-Insp			C-Insp		
Salalah	B Insp-3 Minor C Insp-1 Major	ST10	BI - Borescope Inspection - Annual B Inspection -B - Intermediate Inspection 25000 Hours C-Inspection -MI Major Inspection, ST 10 ST @ 50000 hours ST20 @90000 hours	Proposed			B-Insp			C-Insp			
		ST20		Proposed			B-Insp			B-Insp			

Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20	Y21	Y22	Y23	Y24
2024	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
51,801	57,933	64,065	70,197	76,329	82,461	88,593	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-
54,007	60,139	66,271	72,403	78,535	84,667	90,799	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-
			B Insp				-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-
C Insp				B Insp			-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-
C-Insp						B Insp	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-
	C-Insp						-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-
C-Insp							-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-
	B-Insp						-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-	-End of Contract-

Here for ST10 we can see the B-Inspection occurred at year 2021 and the B-Inspection will occur after 25000 hours. So the next b inspection for st10 should occur  $25000 + 25000 = 50000$  but is occurs at 70197 at year 2029. And for C Inspection it shows c-inspection will occur after 50000 hours but occurs at 45,558 in 2025.