

TECHNO-ECONOMIC EVALUATION OF LOCATION KHDE

1. Details of capital expenditure (Rs. in Crores)

Year	New wells	Well cost	Other cost	Total Cost
2018-19	1	25.00	0.00	25.00
Total Capital Expenditure				
Operating Cost (Rs./MT) (2016-17)				
Operating Cost Escalation (%/A)				
8				

Oil Price \$/bbl	47.00
Exchange Rate	66.00
Sp. Gr. of Oil	0.858
Dollar Escalation	0%
Gross Oil Price Rs./MT	
Net Gas Price, Rs./ Mm3	
Sales Tax @4%	
Royalty, R	
Excise Cess, Rs.	4500
NCCD + Edu.Cess, Rs.	51
Corp. Tax	33.99%
NPV	6.72
Discount Factor	14%

2. Cash flow analysis

Year	Yr	Qo	tpd	Gas- Ratio v/v	Qo t / A	Qg Mm3/A	Oil Price, US\$/BBL	Net Gas price, Rs/MCM	REVENUE, Rs in Cr		Revenue	CAPEX	OPEX	Deprn	Taxable Revenue	Corporate Tax @33.99 Rs Cr	DIS FAC 14%	Disc Rev Rs Cr	Cum. PDV Rs Cr
2018-19	1	25	460	4563	2446	13940	47	13940	10.16	3.41	9.98	25.00	5.88	25.00	-20.90	-7.10	1.00	-13.80	-13.80
2019-20	2	23	520	8213	4977	13940	48	13940	18.52	6.94	17.71	0.00	11.51	0.00	7.44	2.53	0.88	4.31	-9.49
2020-21	3	20	560	7391	4824	13940	48	13940	16.88	6.72	23.60	0.00	11.09	0.00	6.63	2.25	0.77	3.37	-6.12
2021-22	4	18	595	6652	4613	13940	49	13940	15.38	6.43	21.81	0.00	10.63	0.00	5.85	1.99	0.67	2.61	-3.52
2022-23	5	16	650	5987	4536	13940	49	13940	14.01	6.32	20.34	0.00	10.33	0.00	5.18	1.76	0.59	2.03	-1.49
2023-24	6	15	670	5388	4208	16170	50	16170	12.77	6.80	19.57	0.00	10.63	0.00	4.92	1.67	0.46	1.48	1.84
2024-25	7	13	760	4849	4296	16170	51	16170	10.60	6.99	17.60	0.00	9.59	0.00	4.42	1.50	0.40	1.17	3.01
2025-26	8	11	870	3983	4374	16170	51	16170	9.80	7.18	15.12	0.00	8.60	0.00	4.02	1.37	0.31	0.82	4.70
2026-27	9	11	870	3535	3667	18401	53	18401	8.81	6.75	15.55	0.00	8.10	0.00	3.41	1.16	0.27	0.61	5.31
2027-28	10	10	890	3182	3070	18401	53	18401	8.02	6.14	14.17	0.00	7.66	0.00	2.89	0.98	0.24	0.45	5.76
2028-29	11	9	900	2864	2577	20631	55	20631	7.31	5.65	12.96	0.00	7.25	0.00	2.61	0.89	0.18	0.31	6.18
2029-30	12	8	920	2622	2319	20631	55	20631	6.07	5.41	11.48	0.00	6.90	0.00	2.18	0.74	0.16	0.23	6.49
2030-31	13	7	940	2409	2088	20631	55	20631	5.53	4.97	10.50	0.00	6.53	0.00	1.97	0.74	0.16	0.23	6.72
2031-32	14	6	970	2219	2088	20631	55	20631	5.07	4.51	9.51	0.00	6.00	0.00	1.70	0.74	0.16	0.23	6.72
2032-33	15	6	990	2088	2088	20631	56	20631	4.53	4.05	8.72	0.00	5.53	0.00	1.43	0.74	0.16	0.23	6.72

Sensitivity Analysis				
Crude Rate	IRR	NPV(Rs. Cr)	Payout	Yrs
50	26%	6.72	5	
(\$/bbl)	%	(Rs. Cr)		

Table-3

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