TECHNO-ECONOMIC EVALUATION OF LOCATION KHDD

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

Year				New wells Directional	Well cost Rs. Cr	Other Cost Rs Cr	Total Cost Rs Cr
				1	25.00	0.00	25.00
2018-19							
						0.00	25.00
Total Capital Expenditure							
Operating Cost(Rs./MT)		(2016-17)		7459			
Operating Cost Escalation (%/A)				8			

		47.00
Oil Price $/bbl		66.00
Exchange Rate		0.858
Sp. Gr. Of Oil		0%
Dollar Escalation		
Gross Oil Price Rs./MT		
Net Gas Price, Rs./ Mm3		
Sales Tax @4%		
Royalty, Rs		4500
Excise Cess, Rs.		51
NCCD+ Edu.Cess, Rs.		33.99%
Corp. Tax		10.00
NPV		14%
Discount Factor		

2. Cash flow analysis

Year	Yr	Qo tpd	Gas-Oil Ratio v/v	Qo t/A	Qg Mm3/A	Oil Price, US$/BBL	Net Gas price, Rs/MCM	REVENUE, Rs in Cr OIL	GAS	TOTAL	Revenue After Tax	CAPEX Rs.Cr	OPEX Rs.Cr	Deprn	Taxable Revenue Rs Cr	Corporate Tax @33.99 % Rs Cr	DIS FAC 14%	Disc Rev Rs Cr	Cum. PDV Rs Cr
2018-19	1	25	370	4563	1968	47	13940	10.16	2.74	12.90	9.31	25.00	5.48	25.00	-21.17	-7.20	1.00	-13.97	**-13.97**
2019-20	2	23	490	8213	4690	48	13940	18.52	6.54	25.06	18.55	0.00	11.26	0.00	7.29	2.48	0.88	4.22	**-9.75**
2020-21	3	20	620	7391	5341	48	13940	16.88	7.45	24.32	18.43	0.00	11.55	0.00	6.88	2.34	0.77	3.49	**-6.26**
2021-22	4	18	750	6652	5815	49	13940	15.38	8.11	23.48	18.15	0.00	11.77	0.00	6.39	2.17	0.67	2.85	**-3.41**
2022-23	5	16	870	5987	6071	49	13940	14.01	8.46	22.48	17.65	0.00	11.84	0.00	5.82	1.98	0.59	2.27	**-1.14**
2023-24	6	15	1000	5388	6280	50	16170	12.77	10.15	22.93	18.56	0.00	11.91	0.00	6.65	2.26	0.52	2.28	**1.14**
2024-25	7	[illegible]	[illegible]	4849	6443	51	16170	11.64	10.42	22.06	18.10	0.00	11.99	0.00	6.11	2.08	0.46	1.84	**2.98**
2025-26	8	12	1270	4364	[illegible]	[illegible]	16170	10.60	10.45	21.05	17.47	0.00	11.95	0.00	5.52	1.88	0.40	1.46	**4.44**
2026-27	9	11	1390	3928	6364	52	16170	9.66	[illegible]	[illegible]	16.71	0.00	11.82	0.00	4.90	1.66	0.35	1.13	**5.57**
2027-28	10	10	1530	3535	[illegible]	[illegible]	16170	8.81	11.60	20.41	17.47	0.00	11.75	0.00	5.72	1.94	0.31	1.16	**6.73**
2028-29	11	9	1650	3182	6119	53	[illegible]	8.02	11.26	19.28	18.63	0.00	[illegible]	[illegible]	[illegible]	1.77	0.27	0.90	**7.63**
2029-30	12	8	1780	2864	5941	54	18401	7.31	10.93	18.24	15.84	0.00	11.37	0.00	4.47	1.52	[illegible]	[illegible]	**[illegible]**
2030-31	13	7	1910	2577	5737	55	18401	6.66	11.84	18.50	16.32	0.00	11.17	0.00	5.15	1.75	0.21	0.71	**9.04**
2031-32	14	6	2040	2319	5515	55	20631	6.07	11.38	17.45	15.48	0.00	10.95	0.00	4.53	1.54	0.18	0.54	**9.58**
2032-33	15	6	2170	2088	5280	56	20631	5.53	10.89	16.43	14.64	0.00	10.70	0.00	3.94	1.34	0.16	0.41	**10.00**
				67900	**84326**		20631	**162**	**143**	**305**	**249**	**25**	**167**	**25**	**57**	**19**		**10**	

Table-3

Sensitivity Analysis			
Crude Rate ($/bbl)	IRR %	NPV(Rs. Cr) (Rs. Cr)	Payout Yrs
50	29%	10.00	5

B. Sethy 14.07.16

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