Annexure - III

TECHNO-ECONOMIC EVALUATION OF LOCATION KSDA

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

Year			New wells Directional	Well cost Rs. Cr	Other Cost Rs Cr	Total Cost Rs Cr
2017-18			1	25.00	0.00	25.00
2018-19						
Total Capital Expenditure					0.00	25.00

Operating Cost(Rs./MT)	(2016-17)	6948
Operating Cost Escalation (%/A)		8

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		
Excise Cess, Rs.		4500
NCCD+ Edu.Cess, Rs.		51
Corp. Tax		33.99%
NPV		16.20
Discount Factor		14%

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	Net C.F.	DIS FAC 14%	Disc Rev Rs Cr	Cum. PDV Rs Cr
2017-18	1	26	300	7046	2464	55	11710	18.37	2.89	21.25	15.28	25.00	7.14	25.00	-16.86	-5.73	-11.13	1.00	-11.13	**-11.13**
2018-19	2	24	300	8925	3121	56	11710	23.55	3.65	27.21	19.59	0.00	9.76	0.00	9.83	3.34	6.49	0.88	5.69	**-5.44**
2019-20	3	23	300	8479	2965	56	11710	22.66	3.47	26.13	18.85	0.00	10.02	0.00	8.83	3.00	5.83	0.77	4.49	**-0.95**
2020-21	4	22	300	8055	2816	57	13940	21.79	3.93	25.72	18.76	0.00	10.28	0.00	8.48	2.88	5.60	0.67	3.78	**2.83**
2021-22	5	21	300	7652	2676	58	13940	20.96	3.73	24.69	18.04	0.00	10.54	0.00	7.50	2.55	4.95	0.59	2.93	**5.76**
2022-23	6	20	300	7270	2542	59	13940	20.16	3.54	23.71	17.35	0.00	10.82	0.00	6.53	2.22	4.31	0.52	2.24	**8.00**
2023-24	7	19	300	6906	2415	59	13940	19.39	3.37	22.76	16.68	0.00	11.10	0.00	5.58	1.90	3.69	0.46	1.68	**9.68**
2024-25	8	18	300	6561	2294	60	13940	18.65	3.20	21.85	16.04	0.00	11.39	0.00	4.65	1.58	3.07	0.40	1.23	**10.91**
2025-26	9	17	300	6233	2179	61	16170	17.94	3.52	21.47	15.91	0.00	11.68	0.00	4.23	1.44	2.79	0.35	0.98	**11.88**
2026-27	10	16	300	5921	2070	62	16170	17.26	3.35	20.61	15.30	0.00	11.99	0.00	3.31	1.12	2.18	0.31	0.67	**12.56**
2027-28	11	15	300	5625	1967	62	16170	16.60	3.18	19.78	14.70	0.00	12.30	0.00	2.40	0.82	1.59	0.27	0.43	**12.98**
2028-29	12	15	300	5344	1869	63	16170	15.97	3.02	18.99	14.13	0.00	12.62	0.00	1.52	0.52	1.00	0.24	0.24	**13.22**
2029-30	13	14	300	5077	1775	64	16170	15.36	2.87	18.23	13.59	0.00	12.95	0.00	0.64	0.22	0.42	0.21	0.09	**13.31**
2030-31	14	13	300	4823	1686	65	16170	0.00	2.73	2.73	13.06	0.00	0.00	0.00	13.06	4.44	8.62	0.18	1.57	**14.88**
2031-32	15	13	300	4582	1602	65	16170	0.00	2.59	2.59	12.56	0.00	0.00	0.00	12.56	4.27	8.29	0.16	1.32	**16.20**
				98500	**34441**			**249**	**49**	**298**	**240**	**25**	**143**	**25**	**72**	**25**	**30.79**		**16**	

Table-3

Sensitivity Analysis			
Crude Rate ($/bbl)	IRR %	NPV(Rs. Cr) (Rs. Cr)	Payout Yrs
50			
55	**49%**	**16.20**	**3**
60			

Budhin Mi.
26/9/17

Annexure - III

TECHNO-ECONOMIC EVALUATION OF LOCATION KSDD

FIGS: Rs. Lakhs

YEAR	OIL PRODN. (Tonnes)	SALABLE OIL (after 2.5% transit Loss)	PRICE (Rs. Per Tonne)	OIL REVENUE (Lakhs)	GOR	GAS PROD. (Mm3)	GAS PRICE (Per 1000m3)	GAS REVENUE	TOTAL REVENUE	CAPEX		DEPRE	OPEX (Rs./Ton)	OPEX, Lakhs	PBT	CUM. PBT	TAX	NET CASH FLOW	PDV Of Profit At 14% DF,	Cum. PDV,	Year
										Drilling	Sur. Fac										
2017-18	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
2018-19	4791	4,671	16,300	761.3	-	-	-	-	761.3	**2,496.9**	**26.5**	2523.36	4128	197.8	-1960	-1960	-678	-1282	-1124.16	-1124.16	1
2019-20	8968	8,744	16,501	1,442.8	-	-	-	-	1,442.8	-	-	0.00	4128	370.2	1073	-887	371	701	539.72	-584.44	2
2020-21	10244	9,988	16,705	1,668.6	-	-	-	-	1,668.6	-	-	0.00	4128	422.9	1246	359	431	815	549.82	-34.62	3
2021-22	9220	8,989	16,912	1,520.3	-	-	-	-	1,520.3	-	-	0.00	4128	380.6	1140	1498	394	745	441.26	406.64	4
2022-23	8298	8,090	17,121	1,385.2	-	-	-	-	1,385.2	-	-	0.00	4128	342.5	1043	2541	361	682	354.12	760.75	5
2023-24	7468	7,281	17,333	1,262.1	-	-	-	-	1,262.1	-	-	0.00	4128	308.3	954	3495	330	624	284.16	1044.92	6
2024-25	6721	6,553	17,548	1,150.0	-	-	-	-	1,150.0	-	-	0.00	4128	277.5	873	4367	302	571	228.01	1272.93	7
2025-26	6049	5,898	17,765	1,047.8	-	-	-	-	1,047.8	-	-	0.00	4128	249.7	798	5165	276	522	182.95	1455.88	8
2026-27	5444	5,308	17,985	954.7	-	-	-	-	954.7	-	-	0.00	4128	224.7	730	5895	253	477	146.78	1602.66	9
2027-28	4900	4,777	18,208	869.9	-	-	-	-	869.9	-	-	0.00	4128	202.3	668	6563	231	437	117.76	1720.41	10
2028-29	4410	4,300	18,433	792.6	-	-	-	-	792.6	-	-	0.00	4128	182.0	611	7173	211	399	94.47	1814.88	11
2029-30	3969	3,870	18,662	722.1	-	-	-	-	722.1	-	-	0.00	4128	163.8	558	7732	193	365	75.78	1890.66	12
2030-31	3572	3,483	18,893	658.0	-	-	-	-	658.0	-	-	0.00	4128	147.5	511	8242	177	334	60.78	1951.44	13
2031-32	3215	3,134	19,127	599.5	-	-	-	-	599.5	-	-	0.00	4128	132.7	467	8709	162	305	48.75	2000.19	14
2032-33	2893	2,821	19,364	546.3	-	-	-	-	546.3	-	-	0.00	4128	119.4	427	9136	148	279	39.10	2039.29	15

CAPEX	25.23	Crores
PDV	2,039.29	Lakhs
IRR	54.88%	

Budhan Ali
26/9/17