

Information required for Forest Clearance
(Available location SUAD of UAS Block, A&AA Basin)

- IV. **SUAD:** The location ELAJ (proposed as G-SU-A) is proposed to be drilled upto 2830(TVDSS)m as a deviated well in the east of SU-2 in a separate fault block to probe a unexplored structural high at MFS (Close to Mid Bokabil), Lower Bokabil and Barail level. The structural closure is against the west heading fault and close to Naga thrust. For primary objective at Mid Bokabil level, Relative Acoustic Impedance and SpecD at 35 Hz, w.r.t. +40 ms window from Mid Bokabil top Horizon indicate similar facies response as compared to SU-2 Mid Bokabil pay equivalent zone. The proposed location will encounter channel features within the Lower Bokabil and Barail also. This will open a new area for exploration in South Assam Shelf, as this fault block east to Suphayam area has not been explored so far. Taking facies and structure into consideration, area and thickness of the individual bodies have been calculated for techno-economic analysis .The proposed location has got good aerial extent, thick reservoir bodies and good reservoir facies for primary and secondary objects which in turn will accrete good reserves. With multiple target bodies, calibration of target sands with producing wells, low impedance response, good aerial extent of individual bodies, better reservoir facies points towards a very high confidence of success with lower risk.

Basin:	A & AA		
Block :	SAS/ Golaghat Extn. IIA ML		
Prospect :	G-SU-A (Oil) - T.D -2900 m		
Play : Primary	Mid. Bokabil - Close to MFS (2340 m)		
	Min	M. Likely	Max
Area (Sq. km)	0.95	1.03	1.10
Net Pay (m)	18	20	22
Porosity (%)	12	15	16
S0 (%)	35	40	45

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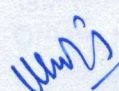
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Sp Gr	0.87	0.88	0.91
FVF	1.20	1.21	1.22
RF (%)	18	20	22
Play : Secondary 1	Barail (2720 m)		
	Min	M. Likely	Max
Area (Sq. km)	0.45	0.50	0.60
Net Pay (m)	10	12	14
Porosity (%)	14	20	22
S0 (%)	40	45	50
Sp Gr	0.84	0.86	0.87
FVF	1.24	1.25	1.26
RF (%)	16	18	20
Play : Secondary 2	Within Lr. Bokabil(2635 m)		
	Min	M. Likely	Max
Area (Sq. km)	0.85	0.90	1.05
Net Pay (m)	11	14	16
Porosity (%)	15	18	20
S0 (%)	40	45	50
Sp Gr	0.87	0.88	0.91
FVF	1.2	1.21	1.22
RF (%)	18	20	22

Basin:	A & AA
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Block :	SAS/ Golaghat Extn. IIA ML				
Prospect :	G-SU-A (Oil) - T.D -2900 m				
Play	Probability	IOIP (MMt)	RES (MMt)	RES : MMb bl	Area (Sq. km)
Primary: Mid. Bokabil - Close to MFS (2340 m)	P-90	0.76	0.15	1.06	0.98
	Mean	0.86	0.17	1.22	1.03
	P-10	0.97	0.20	1.39	1.07
				POS	0.28
Play	Probability	IOIP (MMt)	RES (MMt)	RES : MMb bl	Area (Sq. km)
Secondary 1: Barail (2720 m)	P-90	0.29	0.05	0.39	0.48
	Mean	0.36	0.06	0.47	0.52
	P-10	0.42	0.08	0.56	0.56
				POS	0.24
Play	Probability	IOIP (MMt)	RES (MMt)	RES : MMb bl	Area (Sq. km)
Secondary 2: Within Lr. Bokabil (2635 m)	P-90	0.63	0.13	0.89	0.88
	Mean	0.74	0.15	1.05	0.93
	P-10	0.85	0.17	1.22	0.99
				POS	0.24
	Total	1.96	0.39	2.75	

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SENSITIVITY ANALYSIS

Basin :	A & AA							
Block :	SAS - Golaghat Extn. IIA ML							
Prospect :	G-SU-A							
SENSITIVITY ON OIL PRICE								
Variation		-30%	-20%	-10%	0	10%	20%	30%
Variation in Price	\$/Bbl	37.1	42.4	47.7	53	58.3	63.6	68.9
NPV @ 12%	MM\$	8.91	11.85	14.78	17.72	20.63	23.53	26.44
NPV @14%	MM\$	7.23	9.87	12.52	15.16	17.78	20.39	23
IRR	%	62.7	55.67	49.96	45.18	40.95	37.33	34.23
SENSITIVITY ON CAPEX								
Variation in CAPEX		-30%	-20%	-10%	0	10%	20%	30%
NPV @ 12%	MM\$	20.57	19.62	18.67	17.72	16.74	15.76	14.78
NPV @14%	MM\$	17.96	17.03	16.1	15.16	14.19	13.23	12.26
IRR	%	40.32	34.62	30.06	26.32	23.22	20.56	18.26
SENSITIVITY ON OPEX								
Variation in OPEX		-30%	-20%	-10%	0	10%	20%	30%
NPV @ 12%	MM\$	18.25	18.07	17.89	17.72	17.54	17.37	17.19
NPV @14%	MM\$	15.62	15.47	15.31	15.16	15.01	14.85	14.7
IRR	%	45.84	45.62	45.4	45.18	44.96	44.74	44.51


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