PROJECT - SIVOK RANGPO NEW BG RAILWAY LINE PROJECT	CO-ORDINATES - E640877.662,N2983500.263
LINE PROJECT	E040077.002,N2303300.203
LOCATION - LOHAPOOL	ANGLE WITH HORIZONTAL - 90
SRUCTURE - BRIDGE NO 05/P1(2nd)	BEARING OF HOLE - VERTICAL
CLIENT - IRCON INTERNATIONAL LIMITED	DEPTH OF HOLE – 41.10m
DRILLING AGENCY - OM GEO CONSTRUCTION PVT. LTD.	PERIOD OF EXCUTION - 15/02/2022 - 07/04/2022
GROUND ELEVATION 269.167	TYPE OF CORE BARREL - TRIPPLE TUBE
	LOGGED BY-Manoj kumar saw

	DEPTH	PTH LITHOLOGY			SIZE OF CORE PIECES					STRUCTURAL CONDITION PERCENTAGE OF RECOVERY													DRIL	LED WA	TER	PENETRATION RATE	PERMIABILIT Y	SPECIAL OBSERVATION
elevatio n	from	То	Description	Log	410mm	10 to 25mm	25 to 75mm	75 to 150mm	>150mm	Description	0-20		40-60	08-09	80-100	Infig	RQD	Fracture index	Size of casing		Size of bit	Depth of GWT	II.	partial	complete	MIL	Test section	OBSERVATION
269.167	0	1	BROKEN PIECE OF PHYLLITE AND DUST GREYISH COLOR	▼•	·					OVERBERDEN						60		>15	H X (1. 5 m	NX	NQ3 75m m					2.2		Moderately weathered broken piece
268.167	1	2	FRACTURED GNEISS ULTERNATE BAND OF DARK AND LIGHT COLOR	\$			10									62			N X							1.25		Moderately weathered fracture piece
267.167	3.50	3.50	FRESH GNEISS UNWETHERE D ULTERNATE BAND OF DARK AND LIGHT COLOR	\$		15	1	1	2	70-75° Joint						63 98	17	8-5	(1 8 m)							2.5		Moderately weathered to fresh Fresh to slightly weathered
264.667	4.50	4.50	GREYISH TO GREENISH COLOR SHEARED DECOMPOSE D PHYLLITE	₩		15	4		2							98 68	00	>15		Y	1					3.2		fracture Moderately to highly weathered

263.167	6	7	FRACTURED GREENISH	+		10	4				1		64							[3.3	
262.167	7	8	COLOR PHYLLITE	+		3	7			60-75° joint			48								3.45	Slightly weathered
261.167	8	9				J	2		1				52	15	>15						1.35	fracture
260.167	9	10.5 0			10 0	7	6		-	Ī			83	10	- 120						1.32	
258.667	10.5	12	QUARTZITIC PHYLLITE				1	1		Ī			88								1.1	
257.167	12	13	HIGHLY FRACTURED				6	1					91		>15						0.98	
256.167	13	14.5 0	GREENISH COLOR ROCK				4	1					80			╽╽		ļ,			1.2	Fresh
254.667	14.5 0	16					2						80					V			1.22	
253.167	16	17					2	1	1	40-55°joint			76	26	15-8		·				.98	
252.167	17	17.7 0	QUARTZITE	ఘ			2	2					69	15							0.67	
251.467	17.7 0	19	WHITE AND GREEN	ఘ				1	1				51	12							0.58	Fresh to slightly
250.167	19	19.5 0	COLOR BAND	✡		3	6	3		70-75°joint			10 0		>15						0.75	weathered and slightly fracture
249.667	19.5 0	20	QUARTZITIC PHYLLITE	₽		1	4	1		_			98	26	15-8						1.11	
249.167	20	21	AND PHYLLITE GREENISH	₽			4	1		20-55°joint			87	12	>15						0.77	Slightly weathered and slightly to
248.167	21	22	COLOUR FINE GRAINE	□ +		2				35-50°joint			88		>15						1.0	moderately fractured
247.167	22	23		₽		5	6			40-45°joint			72		>15						1.11	
246.167	23	24	QUARTZITIC PHYLLITE	₽		10		7		30-35°joint			98	12	>15						0.95	
245.167	24	25	AND PHYLLITE	₽		5	2	1		_			99	10	>15						0.69	
244.167	25	26	GREENISH COLOUR FINE	₽			5	1		40-55°joint			92		>15			П			1.25	
243.167	26	27.5 0	GRAINE	₽		14				15-20°joint			91		>15						1.07	Slightly weathered and slightly to
241.667	27.5 0	28	01140771710	₽		2							98		>15						1.11	moderately fractured
241.167	28	28.7 5	QUARTZITIC PHYLLITE AND	₩		8	6	1					79		>15						0.47	
			QUARTZITE GREENISH												>15							Slightly weathered
240.417	28.7 5	29.5 0	COLOUR FINE GRAINE	□				6		40-50°joint			79								0.47	and slightly fracture
239.667	29.5 0	30		⊹ □			8	1		_			80		>15						0.64	_
239.167	30	31.5 0	DHVIIITE	♣ []			4	3					89		>15						0.88	
237.667	31.5 0	33	PHYLLITE AND QUARTZITIC	⊹ □		8	5	5		50-55°joint			79		>15						1.5	_
236.167	33	34.5 0	PHYLLITE GREENISH	₩			18	1		25-30°joint			59		>15			•			1.58	
234.667	34.5 0	35.5 0	COLOUR FINE GRAINE	₩			10	1					78		>15						1.25	
233.667	35.5 0	37		┿□			13	4					76		>15						1.15	Slightly weathered
232.167	37	37.5 0	BRONISH	⊹ □			3	2		40-50°joint			76		>15						1.11	and slightly fracture
231.667	37.5 0	38.5 0	COLOR SAND AND PEBBLES										60		×13						5	Moderately to highly weathered
230.667	38.5 0	39.0	WHITE COLOR	*			4	1					100	23	>15						0.41	Slightly weathered
230.167	39.0	39.5 0	STRONG FINE GRAINE	*			2			40-50°joint			96		>15						0.40	and slightly to highly fracture

229.667	39.5 0	40.0	QUARTZITE	ఘ			2								72		>15								0.35							
229.167	40.0	40.9 0		ఘ			8	1							46		>15								0.64							
228.267	40.9 0	41.1 0		ఘ			2	1							100		>15								0.33							
	NOTE TIME:						→ PHYLLIT	TE		SHEA	SHEAR ZONE							GWT=GROUND WATER TABLE							SPT=STANDARD PENETRATION TEST							
	QUARTZATICPHYLLITE						-XX	ZITE		€ GNEI							SM=SMOOTH R=ROUGH															