PROJECT - SIVOK RANGPO NEW BG RAILWAY	CO-ORDINATES -
LINE PROJECT	E640886.452,N2983499.194
LOCATION - LOHAPOOL	ANGLE WITH HORIZONTAL - 90
SRUCTURE - BRIDGE NO 05/P1	BEARING OF HOLE - VERTICAL
CLIENT - IRCON INTERNATIONAL LIMITED	DEPTH OF HOLE - 30.50m
DRILLING AGENCY - OM GEO CONSTRUCTION PVT. LTD.	PERIOD OF EXCUTION - 07/01/2022 - 01/02/2022
GROUND ELEVATION 271.278	TYPE OF CORE BARREL - TRIPPLE TUBE
	LOGGED BY- Manoj kumar saw

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	DEPTH		LITHOLOGY	HOLOGY SIZE O			ECES			STRUCTURAL CONDITION PERCENTA			TAGE OF RECOVERY										DI	DRILLED WATER LOSS		PENETRATION RATE	PERMIABILITY	SPECIAL OBSERVATION	
elevation	from	То	Description	Log	<10mm	10 to 25mm	25 to 75mm	75 to 150mm	>150mm	Description	0-20	20-40	40-60	60-80	80-100	Infig	RQD	Fracture index	Size of casing	Size of hole	Size of bit	, ·	Depth of GWI	nii Dartial	complete		Test section		
271.278	0	0.45	SOIL MIXED WITH SAND													40			Н										
270.828	0.45	1	AND QUARTZITE	▼						OVERBERDEN						67			1 1							2.75		SPT 35+40+30=105	
			YELLOW COLOR AS															>15	4 m									blows from 0 to 0.45 Highly weathered	
270.278	1	2	SAND	\						65-70° joint						58			m							3.12		N value is 70	
269.278	2	3	PHYLLITE, QUARTZATIC			>10	6			45-50° joint						74		>15		NX		11 m				2.22		INFERRIBLE SPT	
268.278	3	4	PHYLLITE			>10	10	1								75	10	>15		89mm						1.96			
267.278	4	5	PHYLLITE	1		>10	5	1		60-65° joint						80	10	>15 15-								1.81		INFERRIBLE SPT	
266.278	5	6	AND QUARTZATIC			>10	3	1	1								84	33	8								1.53		
265.278	6	7	PHYLLITE	<u> </u>		>10	2	8								82		>15	X							1.66		Highly to moderatel-y	
264.278	7	8			>10	>10	4	5		70-85° joint						88		>15				П				1.44		fracturure and very	
263.278	8	9			>10	>10 >10 1	1							96	17	>15	1	П	NQ 75m					0.83		small pieces slightly weathered			
262.278	9	10			>10	>10	6			<u> </u>						90		>15	1		m	{				0.71			
261.278	10	11			>10	>10	10			-						85		>15 >1	H							0.74			
260.278	11	12	PHYLLITE AND	١,		3	2	2								96		5 >1								0.83			
259.278	12	12.75	QUARTZATIC PYLLITE	\Rightarrow			5	2		-						64		5 >1								0.78			
258.528	12.75	13.5	FRACTURED ROCK MASS	Y												97		5 >1	H	()						0.98			
257.778	13.5	15	GREYISH IN COLOR														80		5		V					<u> </u>	0.96		Highly fracturure and
256.278	15	16.5								-						95		>15								1.01		very small pieces slightly weathered	
254.778	16.5	18												90		5 >1	\vdash			-	-			0.85					
253.278	18	18.75		1												84		5 >1	\vdash							0.65			
252.528	18.75	19.5								70-85°joint						80		5 >1								0.77			
251.778	19.5	20.5														80		5								0.94			



250.778	20.5	21		١,										80		>1 5								0.71		
250.278	21	22												75		>1 5								0.56		
249.278	22	23	PHYLLITE AND QUARTZITE GREYISH TO WHITE COLOR FINE GRAIN	♦	-	2	5	1						95	55	8-5								0.39		Slightly weathered
243.278	22		GRAIN	1										93	- 33								<u> </u>	0.39		Slightly Weathered
248.278	23	23.75				5	4	1	1					73	33	8- 15								0.4		
247.528	23.75	24						2						60	60	8-5								0.4		
				*						80-85°joint						>1										Slightly weathered
247.278	24	25	MILKY WHITE	<u></u>			5	3						82	20	5								0.34		
246.278	25	26	STRONG QUARTZITE	*		2	2	2	2					80	68	8-5								0.42		Slightly weathered
245.278	26	27.5	FINE GRAIN	*		3			3					96	72	8-5								0.41		
243.778	27.5	28.5				9		4	2	70-75°joint				99	63	8-5		Π						0.27		
242.778	28.5	29		*		10	11							58		>1 5								0.26		
242.278	29	30						2	1					87	70	8-5		ĮĻ						0.22		Slightly weathered
241.278	30	30.5		*			6			65-70°joint				74		>15		V						0.23		Slightly to moderately fractured
	NOTE TIME: OVERBURDEN										ONE					GWT=GROUND WAT				М	SPT=ST	FANDAR	D PENETRA	ATION TE	ST	
		RTZATICPHYLLITE	QUAI	₹ RTZITE			⊕ GNEISS					SN	1=SMOO	rh F	R=ROU	GH										