





PROJECT - SIVOK RANGPO NEW BG RAILWAY LINE PROJECT				CO-ORDINATES - 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																										
			DEPTH		LITHOLOGY		SIZE OF CORE PIECES				STRUCTURAL CONDITION	PERCENTAGE OF RECOVERY												DRILLED WATER LOSS			PENETRATION RATE	PERMIABILITY		SPECIAL OBSERVATION
elevation	from	To	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 GWT	Nil	partial	complete		Test section	Lugeon value		
271.278	0	0.45	SOIL MIXED WITH SAND AND QUARTZITE YELLOW COLOR AS SAND							OVERBERDEN						40		>15	H X 1 1 4 m m	NX 89mm	11 m									SPT 35+40+30=105 blows from 0 to 0.45 Highly weathered N value is 70
270.828	0.45	1															67								2.75					
270.278	1	2															58								3.12					
269.278	2	3	PHYLLITE, QUARTZATIC PHYLLITE			>10	6			65-70° joint						74		>15	NX 89mm	NX 89mm	11 m						2.22		INFERRIBLE SPT	
268.278	3	4				>10	10	1		45-50° joint						75	10	>15						1.96						
267.278	4	5				>10	5	1		60-65° joint						80	10	>15						1.81		INFERRIBLE SPT				
266.278	5	6	PHYLLITE AND QUARTZATIC PHYLLITE			>10	3	1	1	70-85° joint						84	33	15-8	NX 89mm	NX 89mm	11 m						1.53		Highly to moderatel-y fracture and very small pieces slightly weathered	
265.278	6	7				>10	2	8								82		>15						1.66						
264.278	7	8	PHYLLITE AND QUARTZATIC PHYLLITE FRACTURED ROCK MASS GREYISH IN COLOR		>10	>10	4	5								88		>15	NX 89mm	NX 89mm	11 m						1.44			
263.278	8	9				>10	>10	>10			1						96	17				>15			0.83					
262.278	9	10				>10	>10	6									90					>15			0.71					
261.278	10	11				>10	>10	10									85					>15			0.74					
260.278	11	12					3	2	2								96					>1 5			0.83					
259.278	12	12.75						5	2								64					>1 5			0.78					
258.528	12.75	13.5															97					>1 5			0.98					
257.778	13.5	15															80					>1 5			0.96					
256.278	15	16.5															95					>15			1.01					
254.778	16.5	18															90					>1 5			0.85					
253.278	18	18.75													84		>1 5			0.65										
252.528	18.75	19.5								70-85° joint						80		>1 5							0.77		Highly fracture and very small pieces slightly weathered			
251.778	19.5	20.5													80		>1 5			0.94										

[illegible]