

PROJECT - SIVOK RANGPO NEW BG RAILWAY LINE PROJECT	CO-ORDINATE
LOCATION - LOHAPOOL	ANGLE WITH
STRUCTURE - BRIDGE NO. - 05/P1	BEARING OF
CLIENT - IRCON INTERNATIONAL LIMITED	DEPTH OF H
DRILLING AGENCY - OM GEO CONSTRUCTION PVT. LTD.	PERIOD OF E
GROUND ELEVATION 271.278	TYPE OF COI
	LOGGED BY

	DEPTH		LITHOLOGY		SIZE OF CORE PIECES		
elevation	from	To	Description	Log	<10mm	10 to 25mm	25 to 75mm
271.278	0	0.45	<u>SOIL MIXED WITH SAND AND QUARTZITE</u>				
270.828	0.45	1					
270.278	1	2					
269.278	2	3	<u>PHYLLITE, QUARTZATIC PHYLLITE AND SOME PECIES OF GNEISS</u>			>10	6
268.278	3	4				>10	10
267.278	4	5				>10	5
266.278	5	6	<u>PHYLLITE AND QUARTZATIC PHYLLITE</u>			>10	3
265.278	6	7				>10	2
264.278	7	8			>10	>10	4
263.278	8	9	<u>PHYLLITE AND QUARTZATIC PYLLITE FRACTURED ROCK MASS</u>		>10	>10	>10
262.278	9	10			>10	>10	6
261.278	10	11			>10	>10	10
260.278	11	12				3	2
259.278	12	12.75					5
258.528	12.75	13.5					
257.778	13.5	15					
256.278	15	16.5					
254.778	16.5	18					
253.278	18	18.75					
252.528	18.75	19.5					
251.778	19.5	20.5					
250.778	20.5	21					
250.278	21	22					
249.278	22	23	<u>PHYLLITE AND QUARTZITE</u>			2	5
248.278	23	23.75	<u>MILKY WHITE STRONG QUARTZITE</u>			5	4
247.528	23.75	24					
247.278	24	25					5
246.278	25	26				2	2
245.278	26	27.5				3	
243.778	27.5	28.5				9	
242.778	28.5	29				10	11
242.278	29	30					
241.278	30	30.5					6

[illegible]

TES - E640886.452,N2983499.194

H HORIZONTAL - 90

F HOLE - VERTICAL

OLE - 30.50m

EXCUTION - 07/01/2022 - 01/02/2022

RE BARREL - TRIPPLE TUBE

		STRUCTURAL CONDITION	PERCENTAGE OF RECOVERY			
75 to 150mm	>150mm	Description	0-20	20-40	40-60	60-80
		OVERBERDEN				
1						
1						
1	1					
8						
5						
	1					
2						
2						
1						
1	1					
2						
3						
2	2					
	3					
4	2					
2	1					

[illegible]

								DRILLE		
80-100	Infig	RQD	Fracture index	Size of casing	Size of hole	Size of bit	Depth of GWT	Nil		
	40			HX	NX	NQ3				
	67									
	58									
	74									
	75	10		NX						
	80	10								
	84	33								
	82									
	88									
	96	17								
	90									
	85									
	96									
	64									
	97									
	80									
	95									
	90									
	84									
	80									
	80									
	80									
	75									
	95	55								
	73	33								
	60	60								
	82	20								
	80	68								
	96	72								
	99	63								
	58									
	87	70								
	74									

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D WATER LOSS		PENETRATION RATE	PERMIABILITY	
partial	complete		Test section	Lugeon value
		2.75		
		3.12		
		2.22		
		1.96		
		1.81		
		1.53		
		1.66		
		1.44		
		0.83		
		0.71		
		0.74		
		0.83		
		0.78		
		0.98		
		0.96		
		1.01		
		0.85		
		0.65		
		0.77		
		0.94		
		0.71		
		0.56		
		0.39		
		0.4		
		0.4		
		0.34		
		0.42		
		0.41		
		0.27		
		0.26		
		0.22		
		0.23		

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