

Nomor : 046.SP/VGL.G-KDC/V/2025  
 Perihal : **Penawaran Harga Uji Laboratorium**

Kepada Yth

**PT KALTIM DIAMOND COAL**

Di-

Tempat

Dengan hormat,

Sehubungan dengan rencana PT KALTIM DIAMOND COAL yang akan melakukan Analisis Batuan dan/atau Tanah, untuk itu kami atas nama Management PT. VANDER GEO LABORATORY memberi penawaran harga uji sampel sebagai berikut

NO	TEST	OUTPUT	STANDARD	QTY	RATES	SUB TOTAL	
A	Preparation						
	1	Preparation Sample		1	85,000	85,000	
	2	Raw Material ( Coring ) :					
		- Igneous Rocks		1	180,000	180,000	
		- Sedimentary rocks		1	120,000	120,000	
B	Soil Mechanics						
	1	Natural Moisture Content	$\omega$	SNI 1965:2008	1	90,000	90,000
	2	Spesific Gravity	Gs	SNI 1964:2008	1	90,000	90,000
	3	Atterberg Limits :					
		- Liquid Limit Test	LL	SNI 1967:2008	1	90,000	90,000
		- Plastic Limit Test	PL	SNI 1966:2008	1	90,000	90,000
	4	Bulk Density	$\rho$	SNI 03-3637-1994	1	90,000	90,000
	5	Dry Density	$P_d$	SNI 03-3637-1994	1	90,000	90,000
	6	Uniaxial Compressive Strength ( UCS )	$q_u$	SNI 3638-2012	1	360,000	360,000
	7	Grain Size Analysis					
		- Sieve Analysis		SNI 3423-2008	1	110,000	110,000
		- Hydrometer		SNI 3423-2008	1	110,000	110,000
	8	Triaxial UU, CU, CD					
		- Triaxial Unconsolidated Undrained		SNI 4813:2015	1	200,000	200,000
		- Triaxial Consolidated Undrained	$C, \phi$	SNI 2455-2015	1	550,000	550,000
	- Triaxial Consolidated Drained	$C, \phi$	SNI 2455-2015	1	550,000	550,000	
9	Direct Shear Strength	$C_{peak}, \phi_{peak}, C_{app}, \phi_{app}$	ISRM 2007	1	390,000	390,000	
10	Permeability	k	ISRM 2007	1	250,000	250,000	
C	Rock Mechanics						
	1	Basic Pysical Properties	$P_{nat}, \rho_{dry}, \rho_{sat}, W, S_r, n, e$	ISRM 2007	1	180,000	180,000
	2	Uniaxial Compressive Strength ( UCS )	$\sigma_c$	ISRM 2007	1	360,000	360,000
	3	UCS + Deformation	$\sigma_c, E$	ISRM 2007	1	420,000	420,000
	4	Point Load Index ( PLI )	Is	ISRM 2007	1	180,000	180,000

5	Brazilian Test	$\sigma_T$	ISRM 2007	1	180,000	180,000
6	Direct Shear Strength	$C_{peak}, \phi_{peak},$ $C_{app}, \phi_{app}$	ISRM 2007	1	390,000	390,000
7	Permeability		ISRM 2007	1	250,000	250,000

Demikian Penawaran Harga ini kami sampaikan, yang nantinya dapat sebagai bahan pertimbangan. Atas perhatiannya kami ucapkan terimakasih.

Samarinda, 30 Mei 2025

# DRAFT SURAT PENAWARAN

