

Nomor : 018.SP/VGL.G-ADP/XII/2024
 Perihal : **Penawaran Harga Uji Laboratorium**

Kepada Yth
Pimpinan
PT. Alfara Delta Persada
 Di-
 Tempat

Dengan hormat,
 Sehubungan dengan rencana PT. Alfara Delta Persadayang 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		20	85,000	1,700,000	
	2	Raw Material (Coring) :					
		- Igneous Rocks			180,000		
		- Sedimentary rocks			120,000		
B	Soil Mechanics						
	1	Natural Moisture Content	ω	SNI 1965:2008	8	90,000	720,000
	2	Spesific Gravity	Gs	SNI 1964:2008	8	90,000	720,000
	3	Atterberg Limits :					
		- Liquid Limit Test	LL	SNI 1967:2008	8	90,000	720,000
		- Plastic Limit Test	PL	SNI 1966:2008	8	90,000	720,000
	4	Bulk Density	ρ	SNI 03-3637-1994	8	90,000	720,000
	5	Dry Density	P_d	SNI 03-3637-1994	8	90,000	720,000
	6	Uniaxial Compressive Strength (UCS)	qu	SNI 3638-2012		360,000	
	7	Grain Size Analysis					
		- Sieve Analysis		SNI 3423-2008		110,000	
		- Hydrometer		SNI 3423-2008		110,000	
	8	Triaxial UU, CU, CD					
		- Triaxial Unconsolidated Undrained		SNI 4813:2015		200,000	
		- Triaxial Consolidated Undrained	C,φ	SNI 2455-2015		550,000	
		- Triaxial Consolidated Drained	C,φ	SNI 2455-2015		550,000	
	9	Direct Shear Strength	Cpeak, φpeak, Capp, φapp	ISRM 2007		390,000	
	10	Permeability	k	ISRM 2007		250,000	
C	Rock Mechanics						
	1	Basic Pysical Properties	Pnat, ρdry, ρsat, W, Sr, n, e	ISRM 2007	12	180,000	2,160,000
	2	Uniaxial Compressive Strength (UCS)	σc	ISRM 2007		360,000	
	3	UCS + Deformation	σc, E	ISRM 2007	12	420,000	5,040,000
	4	Point Load Index (PLI)	Is	ISRM 2007		180,000	

5	Brazilian Test	σT	ISRM 2007		180,000	
6	Direct Shear Strength	$C_{peak}, \phi_{peak},$ C_{app}, ϕ_{app}	ISRM 2007	12	390,000	4,680,000
7	Permeability		ISRM 2007		250,000	
					SUBTOTAL	17,900,000
					PPN(11%)	1,969,000
					TOTAL	19,869,000

*Include PPN 11%

*Biaya belum termasuk transportasi dan konsumsi petugas pengambil contoh di lapangan

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

Samarinda, 06 Desember 2024



Donny A. Kismat, S.T
 Direktur Utama