

Nomor : 012.SP/VGL.G-ADP/XII/2024/REV-1
 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		6	85,000	510,000	
	2	Raw Material (Coring) :					
		- Igneous Rocks		6	180,000	1,080,000	
		- Sedimentary rocks		6	120,000	720,000	
B	Soil Mechanics						
	1	Natural Moisture Content	ω	SNI 1965:2008	2	90,000	180,000
	2	Spesific Gravity	Gs	SNI 1964:2008	2	90,000	180,000
	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	ρ	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)	qu	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	2	200,000	400,000
		- Triaxial Consolidated Undrained	C,φ	SNI 2455-2015	2	550,000	1,100,000
		- Triaxial Consolidated Drained	C,φ	SNI 2455-2015	2	550,000	1,100,000
9	Direct Shear Strength	Cpeak, φpeak, Capp, φapp	ISRM 2007	1	390,000	390,000	
10	Permeability	k	ISRM 2007	1	250,000	250,000	
C	Rock Mechanics						
	1	Basic Pysical Properties	Pnat, ρdry, ρsat, W, Sr, n, e	ISRM 2007	1	180,000	180,000
	2	Uniaxial Compressive Strength (UCS)	σc	ISRM 2007	1	360,000	360,000
	3	UCS + Deformation	σc, E	ISRM 2007	1	420,000	420,000
	4	Point Load Index (PLI)	Is	ISRM 2007	1	180,000	180,000

5	Brazilian Test	σT	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
SUBTOTAL						8,810,000
PPN(11%)						969,100
TOTAL						9,779,100

*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, 27 November 2024



Donny A. Kismat, S.T
 Direktur Utama