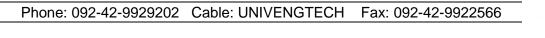
Transportation Engineering Laboratory (TEL)

Department of Civil Engineering (CED)

UNIVERSITY OF ENGINEERING & TECHNOLOGY (UET)

LAHORE - 54890 (PAKISTAN)



Engr. M. Usama Project Engineer, STRUC-ARCH, Pakistan.

Ref.----

Subject: <u>Testing of Coarse Aggregate for Concrete Works</u>

Construction of New 500 kV Circuit Breaker Foundations at Roush Power Plant,

Khanewal, Pakistan

Dear Sir,

It is with reference to your letter No. Rousch/24/MU/02 dated 06-08-2024. Please find below the results for the tests conducted on the coarse aggregate sample provided to this laboratory through your representative.

1. Los Angeles Abrasion Value Test (ASTM C-131/535)

Grading Used			Los Angeles Abrasion Value		
	В		26.00		

2. Flakiness & Elongation Index (BS 812: Part 105)

Sieve Size		Individual Weighted		Individual	Weighted	
Passing Retained		Flakiness Flakiness		Elongation	Elongation	
(in.) (in.)		Index (%)	Index (%)	Index (%)	Index (%)	
1	3/4	4.85	2.09	6.21	2.67	
3/4	1/2	7.87	4.16	8.81	4.65	
1/2	3/8	0	0	19.3	0.80	
		Flakiness Inc	dex = 6.25%	Elongation Inde	ex = 8.12%	

3. Unit Weight (Loose & Rodded); (ASTM C 29/C 29M)

Loose Unit Weight (g/cm ³)	1.40
Rodded Unit Weight (g/cm ³)	1.54



Date:----

If you have further query, please do not hesitate to contact the undersigned.

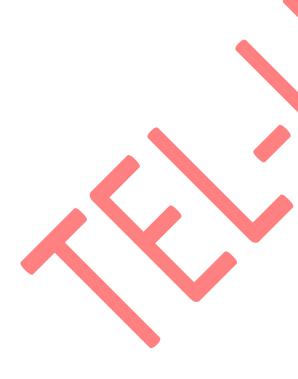
Best Regards,

Director

Transportation Engineering Laboratory

Note:

- 1. This test report is based solely on the particular sample(s) supplied by the client and should not be reproduced in parts.
- 2. Sampling has not been performed by Transportation Engineering Laboratory (TEL), UET and TEL-UET does not accept the responsibility that the sample(s) supplied is/are truly representative sample(s) of any batch or stock or entire project.
- 3. While TEL-UET agrees to take every reasonable precaution to ensure validity of its test results, it assumes no liability thereof beyond the amount of the fee charged for the analysis or test.
- 4. The party shall assume full responsibility for the ethical use of the results in the test reports and the TEL-UET shall be held free from any and all claims which may result from the use of such data by client or others.
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Transportation Engineering Laboratory (TEL)

Department of Civil Engineering (CED)

UNIVERSITY OF ENGINEERING & TECHNOLOGY (UET)



Mr. Muhammad Hassan Khan Resident Engineer, NESPAK.

Ref.----

Testing of Aggregate (Granular Sub-base) Subject:

Construction of Carpet / PCC /Tuff Tile and Drainage Facilities in UC No. 197,

Dahaloki, Lahore

Dear Sir,

It is with reference to your letter No. 3772/103/MHK/ADP/Dhaloki-(UI)/12 dated 13-08-2024. Please find below the results for the tests conducted on the aggregate sample provided to this laboratory through your representative.

1. Sieve Analysis (ASTM C-136)

Sieve Size	1 1/2"	1"	3/4"	1/2"	3/8"	#4
%age Passing	100	96.03	78.25	57.78	41.76	27.68

2. Los Angeles Abrasion Value Test (ASTM C-131/535)

K	Grading Used	Los Angeles Abrasion Value			
		(%)			
	A	28.26			

If you have further query, please do not hesitate to contact the undersigned.

Best Regards,

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Director

Transportation Engineering Laboratory

Transportation Engineering Laboratory (TEL)

Department of Civil Engineering (CED)

UNIVERSITY OF ENGINEERING & TECHNOLOGY (UET)

LAHORE - 54890 (PAKISTAN)



			W ALLOW
Phone: 092-42-9929202	Cable: UNIVENGTECH	Fax: 092-42-9922566	
Ref		Date:	· ·
Mr. Saquib Akram Resident Engineer, NESPAK, Lahore.			

Subject: <u>Testing of Sub-base Material</u>
Construction of Road Karval Di

Construction of Road Karyal Dhonday Watna, Lahore

Dear Sir,

It is with reference to your letter No. 3772/103/LDA-KARYAL/SA/04/01 dated 12-08-2024. Please find below the results for the tests conducted on the aggregate sample provided to this laboratory through your representative.

1. Sieve Analysis (ASTM C-136)

Sieve Size	1 ½"	1"	3/4"	1/2"	3/8"	#4
%age Passing	100	97.84	79.87	58.34	42.87	29.20

2. Los Angeles Abrasion Value Test (ASTM C-131/535)

Grading Used	Los Angeles Abrasion Value (%)
A	28.05

If you have further query, please do not hesitate to contact the undersigned.

Best Regards,

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Director

Transportation Engineering Laboratory