 ITALIAN – THAI DEVELOPMENT PUBLIC COMPANY LIMITED		<b>Inspection &amp; Test Plan</b>										
LAEM CHANGBANG PORT TERMINAL A3 PROJECT												
DOC No.: ITP - C015		Construction Activity : Sub-base Material Testing										
Item	Description	Specification ref./	Acceptance	Inspection / Test Authority					Verifying	Frequency	Remarks	
		Standard	Criteria	LAB	SC	ITD	SMC	SW				
1	Sieve analysis	ER. 2.10.6.1	ASTM D136	C	C	C	V	V	Lab report	Every 5,000 m <sup>3</sup>	1 Sample, 5,000 g. / Sample	
2	Ten per cent fines value test	ER. 2.10.6.1	50 KN or more	C	C	C	V	V	Lab report	Every 5,000 m <sup>3</sup>	1 Sample, 1,000 g. / Sample	
3	Soundness test	ER. 2.10.6.1	Weighted loss not greater than 18% (ASTM C88)	C	C	C	V	V	Lab report	Every 5,000 m <sup>3</sup>	1 Sample, 5,000 g. / Sample	
4	CBR test	ER. 2.10.6.1	60% (ASTM D1883)	C	C	C	V	V	Lab report	Every 5,000 m <sup>3</sup>	1 Sample, 5,000 g. / Sample	
5	Compaction test	ER. 2.10.7.1	ASTM D1557	C	C	C	V	V	Lab report	Every 5,000 m <sup>3</sup>	1 Sample, 50,000 g. / Sample	
6	Impact value, crushing value	ER. 2.10.7.1	BS 812 Part 112	C	C	C	V	V	Lab report	Every 5,000 m <sup>3</sup>	1 Sample, 5,000 g. / Sample	
7	Determination of flakiness.	ER. 2.10.7.1	ASTM D 4318	C	C	C	V	V	Lab report	Every 5,000 m <sup>3</sup>	1 Sample, 5,000 g. / Sample	
8	Abrasion resistance test	ER. 2.10.7.1	ASTM C 131	C	C	C	V	V	Lab report	Every 5,000 m <sup>3</sup>	1 Sample, 5,000 g. / Sample	
9	Absorption of final or coarse aggregate	ER. 2.10.6.2	ASTM C 127, 128	C	C	C	V	V	Lab report	Every 5,000 m <sup>3</sup>	1 Sample, 5,000 g. / Sample	

## Notes.

LAB-Laboratory /Test company  
SC-Subcontractor /Supplier

ITD-ITALIAN-THAI  
SMC- SINDTHU MAUNSELL  
SW-SCOTT WILSON


A=Approval  
V=Verification  
C=Action

W=Witness  
S=Surveillance

Prepared By : ITD

Verified By : SMC

Approved By : SW

 ITALIAN – THAI DEVELOPMENT PUBLIC COMPANY LIMITED			<h2 style="margin: 0;">Inspection &amp; Test Plan</h2>									
LAEM CHANGBANG PORT TERMINAL A3 PROJECT												
DOC No.: ITP - C022			<b>Construction Activity : Sub- Grade For Road AR1</b>									
Item	Description	Specification ref./	Acceptance	Inspection / Test Authority					Verifying	Frequency	Remarks	
		Standard	Criteria	LAB	SC	ITD	SMC	SW				
1	Fill material (Gradation test)	ER. 2.6.3 SMC Spec 3.4.3	(ASTM D2217) Max Particle Size 100 mm, fine content not exceeding 25 %	C	C	V	V	A	Lab report	Every 5,000 m <sup>3</sup>	1 Sample, 5,000 g. / Sample	
2	CBR. Test	ER. 2.6.6 (C)	10% (ASTM D1883) (Min)	C	C	V	V	A	Lab report	Every 500 m <sup>2</sup>	1 Sample, 5,000 g. / Sample	
3	Compaction (in - situ density test) Sub-grade	SMC. SPEC. 3.10.6	98% OR MORE (ASTM C1556, D2216)	C	C	V	V	A	Lab report	1 Sample every 400 m <sup>2</sup>	0.15 M. Depth for test pit	
4	Survey	SMC. 3.6 (3)	E.L (+0 / -50 mm.)	-	-	C	V	A	Survey report	Every 10 m interval	Alignment + level	

Notes.

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	SW-SCOTT WILSON	S=Surveillance
		C=Action

Prepared By : ITD

Verified By : SMC

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