



STANDARD OPERATING PROCEDURE


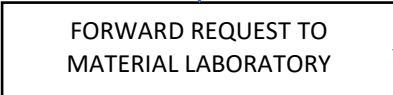

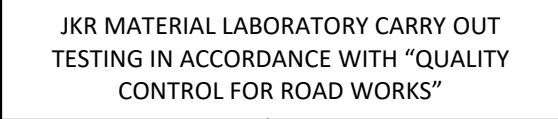

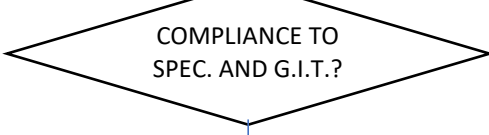
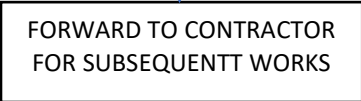

ASPHALTIC CONCRETE MIX DESIGN

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Tarikh:

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1.0 FLOW CHART OF DEPARTMENTAL PROCEDURE FOR “ASPHALTIC CONCRETE MIX DESIGN”

INTERFACE	PROCESS	RESPONSIBILITY
		
SOR -KPP/M&P		KPP/M&P
SOR -KPP/M&P		KPP/M&P
KPP/M&P -PT		KPP/M&P
KPP/M&P -SOR		KPP/M&P
KPP/M&P -SOR		SOR
SOR -CON		SOR
SOR -CON		CON

2.0 STANDARD OPERATING PROCEDURE

INTERFACE	ACTION	RESPONSIBILITY
CON -SOR	<ol style="list-style-type: none"> 1. Contractor is to prepared/obtained asphaltic mix design according to the specification in the contract and submit it to SOR. 2. SOR is to ensure asphaltic mix design was designed according to the specification in the contract. 3. SOR is to visit asphalt plant to ensure functionality and collect individual type of asphalt's aggregates samples as per mix design and bitumen samples. 	CON SOR
SOR -KPP/M&P	<ol style="list-style-type: none"> 4. SOR to forward asphaltic mix design to KPP/M&P. 5. SOR to submit test requisition for the collected individual type of asphalt's aggregates samples as per mix design and bitumen samples. 6. SOR must state in the test requisition source of material and the specification used in the contract. 7. Receive and Register Sample and obtain detail information on the project name, type of sample and the location where sample was taken. 	SOR KPP/M&P
	<p><i>Note:</i> Asphaltic Concrete Mix Design shall conform to following physical and mechanical quality requirements: -</p> <ul style="list-style-type: none"> ▪ Standard Spec 4.2.4.2 (a), (b), (c), (d) & Standard spect 4.2.4.3 (a), (b), (c) for standard specification for road works or ▪ General specification 4.4.2, & 4.4.3 for general specification for road works or ▪ Standard spect. 4.3.3.2(a), (b), (c) & standard spect 4.3.3.3(a), (b) for standard specification for road works 2008. <p><i>For each trial mix conforming to a proposed job mix formula, the parameters of the above tests and analyses shall conform to the requirements of the appropriate the requirements of the appropriate type of mix as given in Standard Spec 4.2.4.3 (a) - Table 4.10.</i></p>	
KPP/M&P -PT	<ol style="list-style-type: none"> 8. JKR Material Laboratory carried out testing in accordance with specification 	KPP/M&P
KPP/M&P -SOR	<ol style="list-style-type: none"> 9. Comment on report and make decision on compliance of Spec. 	SOR
SOR -CON	<ol style="list-style-type: none"> 10. If non-compliance with Spec. and G.I.T., SOR to inform contractor to re-check asphaltic mix design and materials. 	CON
SOR -CON	<ol style="list-style-type: none"> 11. If compliance with Spec. and G.I.T. Forward the decision to contractor to proceed with Plant trial - mix, lay and compact to conform and final approval of the asphaltic mix design. 	SOR

3.0 DEFINITION

KPP/M&P	-	Ketua Penolong Pengarah/Makmal & Penyiasatan Tapak.
SOR	-	Superintending Officer Representative who can be KPP or Project Engineer or District Engineer or Consultant Engineer appointed by PKR to supervise the works.
CON	-	The contractor undertakes the works.
PT	-	Pembantu Teknik (Technical Assistant).
Lab	-	Private Laboratory.
Spec	-	Standard or General Specification of Road Works.

4.0 REFERENCES

- i. Quality Manual – Section 8.2.4 – Monitoring and Measurement of Product (MK/JKR?JLN/01)
- ii. Quality Procedure – Construction Supervision (PK/JLN(SELIA)/02)
- iii. Guideline for Inspection and Testing of Road Works (State)
- iv. Standard Specification for Road Works (Federal)
- v. Contract Document & Drawing