

ASPHALT PREMIX PLANT (BATCH) CHECKLIST

Asphalt Premix Plant :

Date :

No.	ACTIVITIES	YES	NO
MATERIALS, MIX DESIGN & LAB EQUIPMENT			
1	PAST RECORDS		
	1.1 Aggregate test results are available. <i>(Clause 4.3.3.2 (a) JKR/SPJ 2008)</i>		
M	1.1.1 Coarse Aggregate		
	a. Los Angeles Abrasion		
M	b. Magnesium Sulphate Soundness		
M	c. Flakiness Index		
M	d. Water Absorption		
M	e. Polished Stone Value		
M	1.1.2 Fine Aggregate		
	a. Sand Equivalent Value (Passing 4.75mm)		
M	b. Fine Aggregate Angularity		
M	c. Methylene Blue Value		
M	d. Magnesium Sulphate Soundness		
M	e. Water Absorption		
M	1.2 Bitumen test results available. <i>(Clause 4.3.3.2 (c) JKR/SPJ 2008)</i>		
	a. Penetration		
M	b. Softening Point		
M	c. Solubility In Trichloroethylene		
M	d. Ductility		
M	e. Flash Point		
M	f. Retained Penetration After Thin Film Oven		
M	g. Drop In Penetration After Heating		
	1.3 Mix design report (including trial lay), at least one, is available.		
	1.4 Binder content, aggregate gradation & Marshall test results are available. <i>Satu (1) ujian setiap ~ 200 tan asphalt.</i>		
2	AGGREGATES		
M	2.1 Each aggregate (according to size and type) is stored in a separate stockpile.		
M	2.2 Stockpile of fine aggregate is kept under a waterproof roof structure.		
3	MIX DESIGN		
	<i>Kelulusan ke atas mix design, termasuk ujian aggregates dan bitumen akan disemak oleh JKR Daerah sebelum pelaksanaan trial lay.</i>		
4	LABORATORY TEST EQUIPMENT		
M	4.1 Is a laboratory available?		
M	4.2 Is the laboratory capable to carry out the following tests?		
	a. Bitumen content.		
M	b. Aggregate gradation.		
M	c. Thickness.		
M	d. Density.		
M	e. Penetration.		
M	f. Ring & Ball Softening Point.		
M	g. Flash Point.		



No.	ACTIVITIES	YES	NO
4	LABORATORY TEST EQUIPMENT		
M	4.3 Is the laboratory equipped with laboratory test apparatus to determine binder content of bituminous tack coat (i.e. grade of tack coat)? <i>Kuari mestilah menyediakan tiga (3) beaker @ 1 liter (low form) dan tiga (3) glass rod, selain oven dan balance, walaupun tidak membekalkan tack coat atau menjalankan kerja paving.</i>		
M	4.4 Have laboratory test equipment been checked and certified/calibrated (annually)? Date checked: Certified by:		
M	4.5 Is copy of certification/calibration of the laboratory equipment available?		
5	QC TEAM		
	5.1 QC team is available. <i>Carta organisasi QC Team perlu dikemukakan.</i>		
M	5.2 Competent quality officer is available. <i>Minimum dua orang daripada QC Team di atas telah hadir dan lulus kursus 'Kualiti Dalam Kerja Penurapan Jalan'.</i>		
PLANT OPERATIONS			
6	COLD BINS		
M	6.1 Each aggregate is stored in a separate cold bin.		
M	6.2 No spill over of aggregates into adjacent bins.		
7	SCREENS		
	7.1 Equipped with four (or more) screens.		
	7.2 Shall be readily accessible for inspection.		
M	7.3 Condition of each screen is satisfactory (no tear).		
8	HOT BINS		
	8.1 Equipped with four (or more) hot bins.		
M	8.2 Samples can be readily obtained from each bin.		
	8.3 A thermometer is fitted to one of the bin.		
M	8.4 Have the thermometers been checked and certified/calibrated (annually)? Date checked: Certified by:		
M	8.5 Is copy of certification/calibration of the thermometers available?		
	8.6 Separate dry storage is provided for mineral filler.		
M	8.7 Equipped with a weigh box or hopper for accurately weighing out aggregate from each bin.		
M	8.8 Has the weigh box/hopper been checked and certified/calibrated (annually)? Date checked: Certified by:		
M	8.9 Is copy of certification/calibration of the weigh box/hopper available?		
M	8.10 Have scales dial in the control room been checked and certified/ calibrated (annually)? Date checked: Certified by:		
M	8.11 Is copy of certification/calibration of the scales dial available?		
M	8.12 Test weights (not less than ten units of 25 kg test weight or equivalent) are present for checking, adjusting and calibrating the scales dial.		
	8.13 There is at least one recent record (< 12 months) on the usage of the test weights in checking the scales dial.		

No.	ACTIVITIES	YES	NO
9	BITUMEN STORAGE TANK		
M	9.1 A thermometer is fitted to each bitumen storage tank or bitumen feed line.		
M	9.2 Have the thermometers been checked and certified/calibrated (annually)? Date checked: Certified by:		
M	9.3 Is copy of certification/calibration of the thermometers available?		
M	9.4 Bitumen storage tank and bitumen feeding system are equipped with heating system and insulating jackets.		
10	BITUMEN PROPORTIONING		
	10.1 Equipped with weigh bucket for accurately weighing the quantity of bitumen entering the mixer.		
M	10.2 Have scales/weigh bucket been checked and certified/calibrated (annually)? Date checked: Certified by:		
M	10.3 Is copy of certification/calibration of the scales available?		
11	PLANT SETTING		
M	11.1 Computer able to display details of mixing proportion according to approved mix design, is available.		
M	11.2 Print out of recent mix production (< 1 month) which shows the aggregates, filler and bitumen tonnages, is available.		
12	LORRY TRANSPORTER SCALES		
M	12.1 Has weigh bridge been checked and certified/calibrated (annually)? Date checked: Certified by:		
M	12.2 Is copy of certification/calibration of the weigh bridge available?		

Note: M – Mandatory

Remarks:.....
.....
.....

Auditor:

Auditee:

.....

.....

(Name:)

(Name:)

(Organisation:)

(Organisation:)

Head of Audit Team

The Members of Audit Team

1. Name:

4 Name:

Organisation:

Organisation:

2 Name:

5 Name:

Organisation:

Organisation:

3. Name:

6 Name:

Organisation:

Organisation:

