



# **STANDARD OPERATING PROCEDURE**


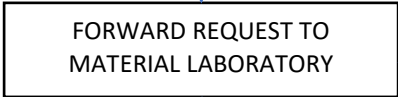
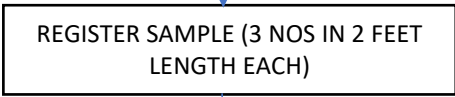
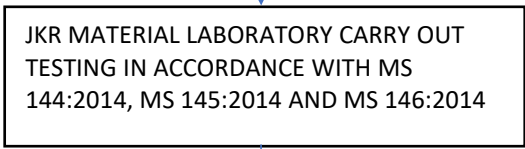
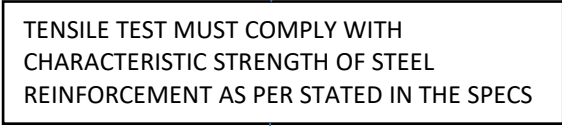
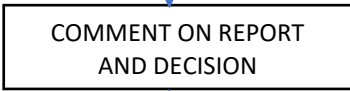

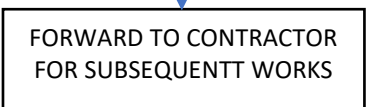

## **STEEL REINFORCEMENT**

Ibu Pejabat JKR,  
Jalan Sembulan,  
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Tarikh:

Item	Contents	Pages
1.0	Flow Chart Of Departmental Procedure for “Steel Reinforcement”	3
2.0	Standard Operating Procedure	4
3.0	Definition	5
4.0	References	5

**1.0 FLOW CHART OF DEPARTMENTAL PROCEDURE FOR “STEEL REINFORCEMENT”**

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 -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	1. Forward testing request to JKR Material and Laboratory. Material must be collected from on-site stockpile. Stockpile has to be covered/protected from weathering.	KPP/M&P
SOR -KPP/M&P	2. Receive and Register Sample (3 Nos in 2 Feet Length each) and obtain detail information on the project name, type of sample and the location where sample was taken.	KPP/M&P
KPP/M&P -PT	3. JKR Material Laboratory carried out testing in accordance with Departmental Instruction.	KPP/M&P
KPP/M&P -PT	4. Tensile test must comply with Characteristic Strength of Steel Reinforcement as in Specification below (otherwise stated in the contract or SOR): a) MS 144:2014 – Steel wire for the reinforcement of concrete products- Specification (Fourth Revision) b) MS 145:2014 – Steel fabric for the reinforcement of concrete – Specification (Fourth Revision) c) MS 146:2014 – Steel for the reinforcement of concrete – Weldable Reinforcing Steel-Bar, coil and decoiled product – Specification (Fourth Revision)	KPP/M&P
KPP/M&P -SOR	5. Comment on report and make decision on compliance of Spec.	SOR
SOR -CON	6. If non-compliance with Spec. and G.I.T., reject the material.	CON
SOR -CON	7. If compliance with Spec. and G.I.T. Forward the decision to contractor to proceed with subsequence works.	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