



Republic of the Philippines  
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**OFFICE OF THE SECRETARY**  
 Manila

*097. (3 DPWH)*  
*06-17-2016*

**16 JUN 2016**

**DEPARTMENT ORDER ) SUBJECT: AMENDMENT TO DEPARTMENT ORDER**  
**No. 126 )**  
**Series of 2016 )** *06.17.16* **NO. 11, SERIES OF 2013: STAR RATING**  
**OF DPWH REGIONAL AND DISTRICT**  
**MATERIALS TESTING LABORATORIES**

Department Order No. 11, Series of 2013 is being amended to emphasize that the Star Rating System for testing laboratories of the Regional and District Engineering Offices recognizes the need for capable laboratory technicians and Materials Engineers and complete and reliable testing apparatus/equipment. As such, competence/accreditation of personnel and calibration of apparatus/equipment as herein required are given importance and complemented in the attached guidelines (Annex A).

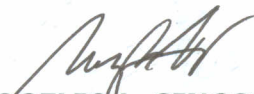
The system shall classify testing laboratories into One-Star, Two-Star or Three-Star categories based on the following criteria:

1. Availability of testing equipment and apparatus
2. Competence/Accreditation of Personnel
3. Observance of health and safety standards
4. Working area of the laboratory
5. Calibration of apparatus/equipment
6. Third-party certification

All Regional and District Engineering Offices shall exert efforts to attain at least Two-Star and One-Star Rating, respectively. All laboratories with no star rating yet or with only One-Star certification shall work towards their accreditation and/or upgrading.

The Bureau of Research and Standards (BRS) shall conduct the star rating of all Regional and District laboratories. The BRS shall also conduct spot evaluation/assessment of all DPWH testing laboratories at least once a year to determine that the conditions upon which the offices were rated are being maintained. Upon evaluation and if warranted, the BRS shall recommend to the Secretary the downgrading of the star rating. The evaluation for upgrading of the star rating may be conducted by the BRS only upon request by the concerned Regional/District Office and submission of proofs showing the improvements that warrant the upgrading.

This Order supersedes Department Order No. 11, Series of 2013 and takes effect immediately.

  
**ROGELIO L. SINGSON**  
 Secretary

Department of Public Works and Highways  
 Office of the Secretary



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15.1 MGM/RCA

## GUIDELINES ON STAR RATING THE TESTING CAPABILITIES OF DPWH REGIONAL AND DISTRICT LABORATORIES

CRITERIA	CRITERIA / CATEGORY		
	ONE STAR	TWO STAR	THREE STAR
<b>1. Availability of Laboratory Equipment</b>	<p>Has apparatus/equipment for the conduct of quality test on soil, concrete, asphalt aggregates and strength test of concrete specimens. (Annex B-List of Test.)</p> <p>A laboratory found with no or incomplete apparatus/equipment to conduct any two test required in this category shall be rated "failed" in this criterion.</p>	<p>Has complete laboratory apparatus equipment under One Star category plus the laboratory apparatus/equipment required for the quality test on Asphaltic Materials/Asphalt Mixes and Portland Cement (Annex B – List of Test).</p> <p>A laboratory found to have no or incomplete apparatus/equipment to conduct any of the test required in this category shall be rated "failed" in this criterion.</p>	<p>Has complete laboratory apparatus equipment under Two Star category plus the laboratory apparatus/equipment required for the quality test on RCCP, RSB, CHB, House paints and any six (6) test as listed in Annex B for Miscellaneous Materials.</p> <p>A laboratory found to have no or incomplete apparatus/equipment to conduct any of the test required in this category shall be rated "failed" in this criterion.</p>

<p><b>2. Competence/ Accreditation of Personnel</b></p>	<p>The DPWH Implementing Offices should at least have the following number of accredited Materials Engineers in their Plantilla:</p> <table border="1" data-bbox="703 448 1066 663"> <thead> <tr> <th>Implementing Office</th> <th>M.E.</th> </tr> </thead> <tbody> <tr> <td>1<sup>st</sup> Class DEO</td> <td>1</td> </tr> <tr> <td>2<sup>nd</sup> Class DEO</td> <td>1</td> </tr> <tr> <td>3<sup>rd</sup> Class DEO</td> <td>1</td> </tr> <tr> <td>Regional Office</td> <td>2</td> </tr> </tbody> </table> <p>Additionally all laboratory technicians in the plantilla of the Quality Assurance Section/Division have undergone/completed at least forty (40) hours of seminar/training on Material Testing Procedures of the various construction materials conducted by the BRS or the Regional Offices.</p>	Implementing Office	M.E.	1 <sup>st</sup> Class DEO	1	2 <sup>nd</sup> Class DEO	1	3 <sup>rd</sup> Class DEO	1	Regional Office	2	<p>The District offices, at least two (2) or more engineers in the Quality Assurance Section are accredited DPWH Materials Engineer.</p> <p>The Regional Office Quality Assurance Division, at least five (5) or more engineers are accredited DPWH Materials Engineer.</p> <p>Additionally all laboratory technicians in the plantilla of the Quality Assurance Section/Division have undergone/completed at least forty (40) hours of seminar/training on Material Testing Procedures of the various construction materials conducted by the BRS or the Regional Offices.</p>	<p>All engineers in Materials Quality Assurance Division/ Section in the Regional/ District levels are accredited DPWH Materials Engineer. Additionally all laboratory technicians in the plantilla of the Quality Assurance Section/ Division have undergone/ completed at least forty (40) hours of seminar/training on Material Testing Procedures of the various construction materials conducted by the BRS or the Regional Offices.</p>
Implementing Office	M.E.												
1 <sup>st</sup> Class DEO	1												
2 <sup>nd</sup> Class DEO	1												
3 <sup>rd</sup> Class DEO	1												
Regional Office	2												

<b>3. Observance of Health and Safety Standards</b>	<p>The laboratory has electrical and lighting facilities, water supply, temperature-controlled room, fire extinguishers and/or automatic sprinklers. The laboratory personnel are provided with personal protective equipment and strictly observe health and safety in the laboratory.</p>	<p>The laboratory has electrical and lighting facilities, water supply, temperature-controlled room, fire extinguishers and/or automatic sprinklers. The laboratory personnel are provided with personal protective equipment and strictly observe health and safety in the laboratory.</p>	<p>The laboratory has electrical and lighting facilities, water supply, temperature-controlled room, fire extinguishers and/or automatic sprinklers. The laboratory personnel are provided with personal protective equipment and strictly observe health and safety in the laboratory.</p>
<b>4. Working Area of the Laboratory</b> The prescribed area for each category is intended only for laboratory working area and excludes the space for the laboratory staff.	30 – 60 sq.m.	61 – 80 sq.m.	> 81 sq.m.
<b>5. Calibration of Apparatus/Equipment</b>	Laboratory Apparatus/ Equipment listed in D.O. 118, series of 2015 should be calibrated at least once a year or as prescribed.	Laboratory Apparatus/ Equipment listed in D.O. 118, series of 2015 should be calibrated at least once a year or as prescribed.	Required
<b>6. Third Party Certification (ISO 17025:2005)</b>	Not required	Not required	Required