

**Rundown Workshop thema :**

“Project Valuation (Making Better Decision in Mining Project Investment in Mining Project Investment),” and Valmin Code 2015 For The Technical Assessment And Valuation Of Mineral Assets,”

**By : Mr Nuzulul Haq and Mrs Ivy Chen**

**Day 1; Date : Monday October 3<sup>rd</sup>, 2016**

Time	Min	Programs	Presenter
7:15	45'	Registration	Rosalyn, Arti Sekretariat
8:00	5'	Introduction & Safety Induction	Aston Primera Hotel
8:05	5'	Opening: “Indonesian Anthem” and Praying	TBA
8:10	5'	Opening Speech By Committee	Zardi
8:15	90'	Review of basic economics Analysis : <ul style="list-style-type: none"> <li>• Overview of project economics in mining industry</li> <li>• Understanding on the impact of investment initiatives in the financial report</li> <li>• Techniques for mine project economics (IRR, DCF, Pay back period)</li> </ul> <b>Workshop 1: generating cash flow model for gold-copper mine project</b>	Mr Nuzulul Haq
9:45	15'	Coffee Break	
10:00	120'	<b>Risk Analysis in Mining Project</b> <ul style="list-style-type: none"> <li>• Risk and uncertainty quantification</li> <li>• Three stages of risk analysis (sensitivity analysis, scenario analysis and Monte Carlo Simulation)</li> </ul> <b>Workshop 2: identify key project uncertainties using spider diagram</b>	Mr Nuzulul Haq
12:00	60'	Lunch Break	
1:00 PM	120'	<b>Uncertainty and risk – monte carlo simulation</b> <ul style="list-style-type: none"> <li>• Introduction to SIPmath Modeler Software and Monte Carlo analysis</li> </ul>	Mr Nuzulul Haq

		<ul style="list-style-type: none"> <li>Run a risk analysis on key project indicators using Monte Carlo simulation</li> </ul> <p><b>Workshop 3: Building quantitative Monte Carlo model for gold copper mine project</b></p>	
3:00 PM	15'	Coffee Break	
3:15 PM	60'	<p><b>Conventional vs Modern Valuation</b></p> <ul style="list-style-type: none"> <li>Introduction to Modern Valuation (Real Options Analysis)</li> <li>Fundamental Difference between DCF and Real Options</li> </ul> <p><b>Workshop 4: Building static RO model for gold copper mine project</b></p>	<b>Mr Nuzulul Haq</b>

**Day 2**

**Date : Tuesday October 4<sup>th</sup>, 2016**

Time	Min	Programs	Presenter
7:15	45'	Registration	Rosalyn, Arti Sekretariat
8:00	120'	<p><b>Quantitative Real Options Analysis</b></p> <ul style="list-style-type: none"> <li>Assessing the effect of metal price uncertainty in project</li> <li>Estimating the value of flexibility to invest in a project</li> </ul> <p><b>Workshop 5: Building real options model for silver mine project</b></p>	Mr Nuzulul Haq
10:00	15'	Coffee Break	
10:15	45'	Valmin Code 2015 For The Technical Assessment And Valuation Of Mineral Assets	Mrs Ivy Chen
12:00	60'	Lunch Break,	
1:00 PM	120'	Valmin Code 2015 For The Technical Assessment And Valuation Of Mineral Assets	Mrs Ivy Chen
3:00 PM	15'	Coffee Break	
3:15 PM	60'	Best Practise of VALMIN CODE	Mrs Ivy Chen