

# DIMENSION BID

## TASK EVALUATION FOR BASIC MAINTENANCE

(ref. CTS-FORM-93 BASIC MAINTENANCE)

NAME	MOHD BURHAN BIN YUSOF.
EMPLOYMENT DATE	20 MAY 2018
PERFORMANCE CRITERIA	<ol style="list-style-type: none"> <li><b>Equipment design, technical specification, components and functions:</b> Know and understand equipment design, technical specifications, components and functions</li> <li><b>Equipment operation:</b> Able to operate the equipment</li> <li><b>Equipment maintenance / care:</b> Able to perform equipment recommended care / maintenance</li> <li><b>Equipment maintenance report:</b> Able to track on all required equipment data prior to plan for next maintenance</li> <li><b>Maintenance analysis:</b> Able to analyse equipment problem based on problem report and EMC. Hence, to identify root cause and best practice to avoid the same problem from happen</li> </ol>

### ASSESSMENT RESULT SUMMARY


Element of Competency	Score	Assessed By	Assessment Date
1. Batch Mixer	N/A		
2. Fluid Pumping Unit	8	Johari Bin Johar	29/01/25
3. Nitrogen Converter	8	Johari Bin Johar	30/01/25
4. Coiled Tubing Unit	N/A		
4.1 Power Pack	N/A		
4.2 Control Cabin	N/A		
4.3 CT Reel	N/A		
4.4 Injector Head	N/A		
4.5.1 Pressure Control Equipment (Stripper)	N/A		
4.5.2 Pressure Control Equipment (SBOP)	N/A		
4.5.3 Pressure Control Equipment (Combi BOP)	N/A		
5. Maintenance Reporting	N/A		

**Important Note:** The minimum passing score is 80%. If the score falls below the minimum passing score, the employee must repeat the assessment

# DIMENSION BID

Assessor's Comments & Recommendation (COMPULSORY):

Operators adhere strictly to all safety protocols ensuring that pump and Nitrogen system are handled with the utmost care. They consistently demonstrate a strong understanding of high pressure operations.

Signature		Assessment Date	30/01/2025.
Name	JITENDRA JADHAV	Position	FIELD SPECIALIST III

# DIMENSION BID

## 2. FLUID PUMPING UNIT

THEORY	COMMENT
1. Identify the Fluid Pumping Unit and explain its functions	8
2. Show where the following components of Fluid Pumping Unit and explain the function	
i. Engine component	3
ii. Zone 2 system	3
iii. Hydraulic line	8
iv. Fluid end component	8
v. Parameter on control panel	8
3. How did you assemble pump?	8
4. How did you rig up sensor cable?	8
5. What should you check BEFORE start the Single Pump?	8
6. What should you check and monitor during operating the Single Pump?	8
7. What is the safety precaution during operating the Single Pump?	8
8. What should you check BEFORE stop the Single Pump?	8
9. How to perform horse power test	8
<b>PRACTICAL</b>	
1. Show how to carry out following basic maintenance	
i. Check coolant level 10	
ii. Perform hydrotest for radiator and cooler 8	
iii. Replace engine oil 9	
iv. Replace engine oil filter 9	
v. Replace fan and alternator belt 8	
vi. Clean crankcase vent breather 9	
vii. Test OPSD 9	
viii. Service exhaust cooler (pyroban) 8	
ix. Grease u-joint and propeller shaft 10	
x. Change gearbox oil 9	
xi. Change fuel filter 9	
xii. Service pneumatic control valve 8	
xiii. Clean air cleaner 9	
xiv. Grease butterfly valve 10	
xv. Change fluid end insert valve 9	
xvi. Change fluid end packing 9	
xvii. Perform horse power test 9	

OVERALL SCORE	STRONG			ADEQUATE			IMPROVEMENT NEEDED		
	10	9	8	7	6	5	4	3	2
			8						

# DIMENSION BID

## 3. NITROGEN CONVERTER

THEORY	COMMENT
1. Identify the Nitrogen Unit and explain its functions	8
2. Show where the following components of Nitrogen Unit and explain the function	
i. Engine component	8
ii. Zone 2 system	8
iii. Hydraulic line	8
iv. Cold end component	8
v. Nitrogen liquid line	8
vi. Nitrogen gas line	8
vii. Parameter on control panel	8
viii. Nitrogen tank line	8
3. How did you rig up cryogenic hose?	8
4. How did you rig up sensor cable?	8
5. What should you check BEFORE start the Nitrogen Unit?	8
6. What should you check and monitor during operating the Nitrogen Unit?	8
7. What is the safety precaution during operating the Nitrogen Unit?	8
8. What should you check BEFORE stop the Nitrogen Unit?	8
9. How did you transfer on the fly from storage tank to working tank?	8
10. How did you perform normal transfer from storage tank to working tank?	8
<b>PRACTICAL</b>	
1. Show how to carry out following basic maintenance	
i. Check coolant level 10	
ii. Perform hydrotest for radiator and cooler 8	
iii. Change engine oil 10	
iv. Change engine oil filter 10	
v. Change fan belt and clean pulley area 9	
vi. Check fan hub bearing for any wobble 8	
vii. Clean the crankcase vent breather 8	
viii. Test OPSD 8	
ix. Service exhaust cooler (pyroban) 8	
x. Grease bearing and u-joint 9	
xi. Change hydraulic oil 9	
xii. Change fuel filter 10	
xiii. Service pneumatic control valve N/A	
xiv. Replace air filter 10	
xv. Clean flame trap 8	
xvi. Redress booster pump 6 (ASSIST SENIOR OPERATOR)	
xvii. Redress cold end 5 (ASSIST SENIOR OPERATOR)	

OVERALL SCORE	STRONG			ADEQUATE			IMPROVEMENT NEEDED		
	10	9	8	7	6	5	4	3	2
			8						