



PETROVIETNAM EXPLORATION PRODUCTION CORPORATION LTD  
DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM  
EXPLORATION PRODUCTION CORPORATION LIMITED  
Head Office: 15<sup>th</sup> Floor, Victory Tower, 12 Tan Trao Str., Tan My Ward, Ho Chi Minh City, S.R. Vietnam. Tel: (84-28) 3776 2222  
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## FACSIMILE TRANSMISSION

To: **BIDDER**

Attn: **To Whom it may Concern**

Ref.: 2133 /PVEPPOC-PPM

Date 15<sup>th</sup> Oct, 2025

No. of page(s) (including this cover sheet): 02

SUBJECT: **BID BULLETIN #03 – IMPORTANT NOTICE**

TENDER TITLE: **PROVISION OF COMPLETION EQUIPMENT AND SERVICES FOR DRILLING & COMPLETION PROGRAM FOR DAI HUNG NAM FIELD DEVELOPMENT, BLOCK 05-1(A), OFFSHORE VIETNAM**

TENDER No.: **PVEPPOC-DRL-2025-015**

*If you have not received the full text of this letter, please call (84-28) 3776 2222*

Dear Sir/Madam,

Reference is made to the above-mentioned Tender, DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM EXPLORATION PRODUCTION CORPORATION LIMITED (hereinafter referred to as "CLIENT") hereby would like to provide you the Bid Bulletin #03 – Important Notice as per the attachment enclosed herewith.

Thank you very much for your attention.

Yours faithfully,

*For and On Behalf of CLIENT*

**TRUONG TUAN ANH**

Deputy Director

Cc: BOM, PPM, DRL

Visa:

- DRL:

- PPM:

**ATTACHMENT OF BULLETIN #03**  
**TENDER No.: PVEPPOC-DRL-2025-015**

Item No.	ITB Section/Reference	CLIENT's update
1	CONTRACT FORM: <u>EXHIBIT I - SPECIAL PROVISION AND SCOPE OF WORKS</u>	To be updated " <u>Item I-2.16 - Delivery Schedule</u> " as follows: Based on the latest drilling schedule, Bidder is hereby informed that delivery shall be made in two (02) partial shipments corresponding to the two respective drilling periods, as below. Please refer to the attached Excel file for detailed equipment list and quantities for each shipment. - 1 <sup>st</sup> shipment: no later than 28 weeks from the date of LOA; - 2 <sup>nd</sup> shipment: no later than 15 June 2027.
2	CONTRACT FORM: <u>EXHIBIT II - APPENDIX II-8 DRILLING &amp; COMPLETION SCHEDULE</u>	Please find the update schedule as per attachment.
3	CONTRACT FORM: <u>APPENDIX II – 1 - TECHNICAL SPECIFICATION FOR COMPLETION EQUIPMENT AND SERVICES</u>	To be updated " <u>Item 2.1 – DELIVERY</u> " as follows: 1 <sup>st</sup> Shipment: 28 weeks from the LOA date; 2 <sup>nd</sup> Shipment: tentative NOT later than 15 June 2027. Detailed list for each shipment as per Appendix II-1.1 and Appendix II-1.2 attached herewith.
4	Technical Evaluation Criteria	To be updated as attachment.
5	All other remaining ITB documents	All other remaining ITB documents remain in full effect
6		PVEP-POC would like to extend the Bid Closing Time till <b>10:00 AM on 28<sup>th</sup> October 2025</b> .  Your proposal for the above package shall be submitted to office of PVEP-POC in Ho Chi Minh City, S.R. Vietnam on/before <b>10:00 hours (Vietnam Standard Time) on 28<sup>th</sup> October 2025 ("Bid Closing Time")</b> . PVEP POC shall have the right to disqualify should any quotation/offer be received later than the above Bid Closing Time.  It is kindly noted that the Bid Bond validity shall be extended corresponding to the new Bid Closing Time mentioned above.

## TECHNICAL EVALUATION CRITERIA FOR COMPLETION EQUIPMENT AND SERVICES FOR DAI HUNG NAM WELLS, BLOCK 05.1a, OFFSHORE VIETNAM

ITEM	DESCRIPTIONS	UNIT	QUANTITY	CLIENT'S MINIMUM REQUIREMENTS	EVALUATION CATEGORY	CRITERIA		
						GREEN	YELLOW	RED
<b>I BIDDER'S CAPABILITY AND EXPERIENCES</b>								
1.1	ONSHORE WORKSHOP	LS/Well	9	As per technical specifications	Major	Fully Comply	N/A	Not Comply
1.2	EXPERIENCE	N/A	N/A	At least one (01) similar projects and corresponding performance record in accordance with the SOW	Major	Fully Comply	N/A	Not Comply
<b>II DELIVERY TIME &amp; KEY PERSONNEL</b>								
2.1	DELIVERY	N/A	N/A	-1st shipment: no later than 28 weeks from the date of LOA. -2nd shipment: no later than 15 June 2027. Detailed list for each shipment as per Appendix II-1.1 and Appendix II-1.2 attached herewith.	Major	Fully Comply	N/A	Not Comply
2.2	PROJECT MANAGER	Man	1	Ten (10) years of experience and must be familiar with the CLIENT's required completion equipment.	Major	Fully Comply	N/A	Not Comply
2.3	OFFSHORE COMPLETION SUPERVISOR	Man	2	Ten (10) years experience with completion equipment and at least five (5) years with the equipment provided to CLIENT	Major	Fully Comply	N/A	Not Comply
2.4	OFFSHORE DOWNHOLE GAUGE SUPERVISOR	Man	2	Ten (10) years experience with completion equipment and at least five (5) years with the equipment provided to CLIENT	Major	Fully Comply	N/A	Not Comply
2.5	OFFSHORE OPERATOR	Man	4	Five (5) years experience with completion equipment and at least two (2) years with the equipment provided to CLIENT	Minor	Fully Comply	Comply with concern	Not Comply
<b>III TECHNICAL REQUIREMENTS</b>								
<b>3.1 GENERAL REQUIREMENT</b>								
3.1.1	MANUFACTURED DATE	N/A	N/A	Brand new and manufactured after LOA	Major	Fully Comply	N/A	Not Comply
3.1.2	CERTIFICATES	N/A	N/A	As per technical specifications Certificate of Quantity & Quality (or equivalence) issued by Manufacturer, Certificate of Origin issued by Chamber of Commerce of exporting Country	Major	Fully Comply	N/A	Not Comply
3.1.3	WARRANTY	N/A	N/A	Period of eighteen (18) months from the date of delivery or twelve (12) months from the date of issuance of Protocol of Acceptance whichever comes earlier.	Major	Fully Comply	N/A	Not Comply
<b>3.2 COMPLETION EQUIPMENT F/ PRODUCTION WELLS (13CR) - 06 WELLS INCLUDE. 05 WELLS W/ 9-5/8" CASING &amp; 01 WELLS W/ 7" CASING</b>								
3.2.1	Tubing Retrievable Subsurface Safety Valve (TRSV) - FIT FOR BOTH 9-5/8" & 7" CASING	EA	7	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.2.2	Flow Coupling	EA	14	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.2.3	Gas Lift Mandrel - FIT FOR BOTH 9-5/8" & 7" CASING	EA	35	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.2.4	Sliding Sleeve	EA	42	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.2.5	7" Retrieval Packer	EA	10	As per technical specifications	Major	Fully Comply	N/A	Not Comply

## TECHNICAL EVALUATION CRITERIA FOR COMPLETION EQUIPMENT AND SERVICES FOR DAI HUNG NAM WELLS, BLOCK 05.1a, OFFSHORE VIETNAM

ITEM	DESCRIPTIONS	UNIT	QUANTITY	CLIENT'S MINIMUM REQUIREMENTS	EVALUATION CATEGORY	CRITERIA		
						GREEN	YELLOW	RED
3.2.6	9-5/8" Retrieval Packer	EA	30	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.2.7	Downhole Gauge Carrier - FIT FOR BOTH 9-5/8" & 7" CASING	EA	7	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.2.8	Polished Bore Receptacle - FIT FOR BOTH 9-5/8" & 7" CASING	EA	7	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.2.9	Disappearing Plug & Autofill Sub	EA	7	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.2.10	Selective Landing Nipple	EA	14	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.2.11	Wireline Entry Guide	EA	7	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.2.12	Chemical Injection Valve	EA	7	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.2.13	Others	EA/SET		Bidder(s) to specify				
<b>3.3</b>	<b>COMPLETION EQUIPMENT F/ INJECTION/ PRODUCTION WELLS (L-80) - 03 WELLS W/ 9-5/8" CASING</b>							
3.3.1	Tubing Retrievable Subsurface Safety Valve (TRSV)	EA	4	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.3.2	Flow Coupling	EA	8	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.3.3	Gas Lift Mandrel	EA	20	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.3.4	Sliding Sleeve	EA	24	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.3.5	9-5/8" Retrieval Packer	EA	20	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.3.6	Downhole Gauge Carrier	EA	4	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.3.7	Polished Bore Receptacle	EA	4	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.3.8	Disappearing Plug & Autofill Sub	EA	4	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.3.9	Selective Landing Nipple	EA	8	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.3.10	Wireline Entry Guide	EA	4	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.3.11	Others	EA/SET		Bidder(s) to specify				

## TECHNICAL EVALUATION CRITERIA FOR COMPLETION EQUIPMENT AND SERVICES FOR DAI HUNG NAM WELLS, BLOCK 05.1a, OFFSHORE VIETNAM

ITEM	DESCRIPTIONS	UNIT	QUANTITY	CLIENT'S MINIMUM REQUIREMENTS	EVALUATION CATEGORY	CRITERIA		
						GREEN	YELLOW	RED
<b>3.4</b>	<b>COMPLETION EQUIPMENT &amp; ACCESSORIES USING F/ BOTH PRODUCTION &amp; INJECTION/ PRODUCTION WELLS</b>							
3.4.1	Secondary Wireline SCSSV	EA	2	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.4.2	Hydraulic Control Line (300m)	Ft	10,827	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.4.3	SSV Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	22	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.4.4	IPO Valve c/w Latch	EA	44	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.4.5	Orifice Valve c/w Latch	EA	11	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.4.6	GLM Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	110	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.4.7	Chemical Injection Line (1000m)	Ft	22,966	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.4.8	CIV Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	16	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.4.9	Downhole Gauge	EA	11	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.4.10	Downhole Gauge Cable (3500m)	Ft	126,312	As per technical specifications	Major	Fully Comply	N/A	Not Comply
3.4.11	Surface Acquisition Unit includes Card, Cable Gland	Set	2	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.4.12	Surface Cable	Metre	1,650	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.4.13	Normal Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	3300	As per technical specifications	Minor	Fully Comply	Comply with concern	Not Comply
3.4.14	Wellhead Outlet for Wellhead	EA	11	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.4.15	Fitting for Tubing Hanger & Wellhead	Set	18	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.4.16	Redress Kits IPO/ Orifice Valves & Latches	Set	24	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.4.17	Others	EA/SET		Bidder(s) to specify				
<b>3.5</b>	<b>RUNNING/ RETRIEVING TOOLS</b>							
3.5.1	Lockout Tool for TRSV	Set	2	Bidder(s) to specify	Major	Fully Comply	N/A	Not Comply
3.5.2	Communication Tool for TRSV	Set	2	Bidder(s) to specify	Major	Fully Comply	N/A	Not Comply
3.5.3	Others	EA/SET		Bidder(s) to specify				

**TECHNICAL EVALUATION CRITERIA FOR COMPLETION EQUIPMENT AND SERVICES FOR DAI HUNG NAM WELLS, BLOCK 05.1a, OFFSHORE VIETNAM**

ITEM	DESCRIPTIONS	UNIT	QUANTITY	CLIENT'S MINIMUM REQUIREMENTS	EVALUATION CATEGORY	CRITERIA		
						GREEN	YELLOW	RED
<b>3.6</b>	<b>SLICKLINE TOOLS</b>							
3.6.1	Otis 2.813" "X" Lock Mandrel	Set	4	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.2	Otis 2.813" "PX" Plug Assembly	Set	4	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.3	Otis 2.813" "X" Line Running Tool	Set	2	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.4	Otis 3" GS Running/Pulling Tool	Set	2	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.5	Otis 2" SB Pulling Tool f/Running/Pulling PX Prong	Set	2	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.6	Otis 3" "B" Shifting Tool	Set	4	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.7	Otis 2.813" Selective Shifting Tool	Set	4	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.8	Camco 3-1/2" OK-6 KOT f/1" Valves	Set	2	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.9	Camco JK Running Tool	Set	2	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.10	Camco 1 1/4" JDC Pulling Tool	Set	2	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.11	Redress Kits F/ Lock & Plug	Set	20	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.6.12	Others	EA/SET		Bidder(s) to specify				
<b>3.7</b>	<b>RENTAL TOOLS</b>							
3.7.1	Control line TRSV Stand	EA	2	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.7.2	Gauge Cable Spooling unit	EA	2	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.7.3	Chemical line Spooling unit	EA	2	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.7.4	Offshore Downhole Gauge Container	EA	1	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.7.5	Completion basket (min. 40ft length)	EA	2	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.7.6	Completion toolbox	EA	1	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.7.7	Others	EA/SET		Bidder(s) to specify				

**TECHNICAL EVALUATION CRITERIA FOR COMPLETION EQUIPMENT AND SERVICES FOR DAI HUNG NAM WELLS, BLOCK 05.1a, OFFSHORE VIETNAM**

ITEM	DESCRIPTIONS	UNIT	QUANTITY	CLIENT'S MINIMUM REQUIREMENTS	EVALUATION CATEGORY	CRITERIA		
						GREEN	YELLOW	RED
<b>3.8</b>	<b>SERVICES</b>							
3.8.1	Gas Lift Design	Well	9	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.8.2	IPO Gas Lift Valve Nitrogen Charge and Calibration	Well	9	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.8.3	Sub-assembly Make-up & Testing	Well	9	Bidder(s) to specify	Minor	Fully Comply	Comply with concern	Not Comply
3.8.4	Others	EA/SET		Bidder(s) to specify				
<b>IV</b>	<b>RESULT</b>							

**NOTES:**

All "Major" items are evaluated as "GREEN", and all "Minor" items are evaluated as "GREEN" or "YELLOW"	QUALIFIED
Any "Major" or "Minor" item is evaluated as "RED"	DISQUALIFIED

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**PVEP-POC (Block 05-1(a))-DRILLING, DST, COMPLETION & WO WELLS SCHEDULE IN 2026-2028**

ID	Task Name	Duration	Start	Finish	Half 2, 2026	Half 1, 2027	Half 2, 2027	Half 1, 2028
					J A I S O I N D	J F M I A M J	J A I S O I N D	J F M I A M J
1	<b>Block 05-1(a) Drilling Schedule</b>	<b>500 days</b>	<b>Oct 15 '26</b>	<b>Feb 26 '28</b>				
2	Moonson Season in 2026-2027	137 days	Oct 15 '26	Feb 28 '27	10/15	2/28		
3	Moonson Season in 2027-2028	137 days	Oct 15 '27	Feb 28 '28			10/15	2/28
4	<b>Development &amp; WO and Exploration Wells (1st Period)</b>	<b>269.5 days</b>	<b>Oct 15 '26</b>	<b>Jul 11 '27</b>	10/15		7/11	
5	Tie-back & Completion DHN-4X	26 days	Oct 15 '26	Nov 9 '26	10/15	11/9		
6	Tie-back & Completion DHN-2X	23.5 days	Nov 10 '26	Dec 3 '26		12/3		
7	Tie-back & Completion DHN-1X	25 days	Dec 3 '26	Dec 28 '26		12/28		
8	DHN-1P (Tie-back, Sidetrack Drilling & Completion)	56.5 days	Dec 29 '26	Feb 23 '27		2/23		
9	DHN-2P (Drilling & Completion)	46 days	Feb 23 '27	Apr 10 '27		4/10		
10	Infill Rig move	2 days	Apr 10 '27	Apr 12 '27		4/10	4/12	
11	Workover and Drill Exploration well	90 days	Apr 12 '27	Jul 11 '27		4/12	7/11	
12	<b>Development &amp; WO and exploration wells (2nd Period)</b>	<b>233.5 days</b>	<b>Jul 8 '27</b>	<b>Feb 26 '28</b>		7/8		2/26
13	Rig approach WHP-DHN & Prepare for Operation	5 days	Jul 8 '27	Jul 13 '27		7/13		
14	DHN-3P (Drilling & Completion)	39.5 days	Jul 14 '27	Aug 22 '27		8/22		
15	DHN-4PI (Drilling & Completion)	43.5 days	Aug 23 '27	Oct 5 '27		10/5		
16	DHN-5PI (Drilling & Completion)	45 days	Oct 6 '27	Nov 19 '27		11/19		
17	DHN-6PI (Drilling & Completion)	58 days	Nov 20 '27	Dec 27 '27		12/27		
18	Infill Rig move	2 days	Dec 28 '27	Dec 29 '27		12/28	12/29	
19	Exploration well (Drill & DST)	59 days	Dec 30 '27	Feb 26 '28		12/30	2/26	

Prepared by: DRL Dept.



**APPENDIX II-1  
TECHNICAL SPECIFICATION FOR COMPLETION EQUIPMENT AND SERVICES**

ITEM	DESCRIPTIONS	UNIT	QUANTITY				TOTAL	CLIENT'S MINIMUM REQUIREMENTS	BIDDER PROPOSAL
			Per well	Extended	Back up				
<b>I BIDDER'S CAPABILITY AND EXPERIENCES</b>									
1.1	ONSHORE WORKSHOP	LS/Well	1	9	-		9	As per technical specifications At least one (01) similar projects and corresponding performance record in accordance with the SOW	
1.2	EXPERIENCE	N/A	N/A	N/A	N/A		N/A		
<b>II DELIVERY TIME &amp; KEY PERSONNEL</b>									
2.1	DELIVERY	N/A	N/A	N/A	N/A		N/A	-1st shipment: no later than 28 weeks from the date of LOA. -2nd shipment: no later than 15 June 2027. Detailed list for each shipment as per Appendix II-1.1 and Appendix II-1.2 attached herewith.	
2.2	PROJECT MANAGER	Man	1	1	-		1	Ten (10) years of experience and must be familiar with the CLIENT' s required completion equipment.	
2.3	OFFSHORE COMPLETION SUPERVISOR	Man	2	2	-		2	Ten (10) years experience with completion equipment and at least five (5) years with the equipment provided to CLIENT	
2.4	OFFSHORE DOWNHOLE GAUGE SUPERVISOR	Man	2	2	-		2	Ten (10) years experience with completion equipment and at least five (5) years with the equipment provided to CLIENT	
2.5	OFFSHORE OPERATOR	Man	4	4	-		4	Five (5) years experience with completion equipment and at least two (2) years with the equipment provided to CLIENT	
<b>III TECHNICAL REQUIREMENTS</b>									
<b>3.1 GENERAL REQUIREMENT</b>									
3.1.1	MANUFACTURED DATE	N/A	N/A	N/A	N/A		N/A	Brand new and manufactured after LOA	
3.1.2	CERTIFICATES	N/A	N/A	N/A	N/A		N/A	As per technical specifications Certificate of Quantity & Quality (or equivalence) issued by Manufacturer, Certificate of Origin issued by Chamber of Commerce of exporting Country	
3.1.3	WARRANTY	N/A	N/A	N/A	N/A		N/A	Period of eighteen (18) months from the date of delivery or twelve (12) months from the date of issuance of Protocol of Acceptance whichever comes earlier.	
<b>3.2 COMPLETION EQUIPMENT F/ PRODUCTION WELLS (13CR) - 06 WELLS INCLUDE. 05 WELLS W/ 9-5/8" CASING &amp; 01 WELLS W/ 7" CASING</b>									
3.2.1	Tubing Retrievable Subsurface Safety Valve (TRSV) - FIT FOR BOTH 9-5/8" & 7" CASING	EA	1	6	1		7	As per technical specifications	
3.2.2	Flow Coupling	EA	2	12	2		14	As per technical specifications	



**APPENDIX II-1  
TECHNICAL SPECIFICATION FOR COMPLETION EQUIPMENT AND SERVICES**

ITEM	DESCRIPTIONS	UNIT	QUANTITY			TOTAL	CLIENT'S MINIMUM REQUIREMENTS	BIDDER PROPOSAL
			Per well	Extended	Back up			
3.2.3	Gas Lift Mandrel - FIT FOR BOTH 9-5/8" & 7" CASING	EA	5	30	5	35	As per technical specifications	
3.2.4	Sliding Sleeve	EA	6	36	6	42	As per technical specifications	
3.2.5	7" Retrieval Packer	EA	5	5	5	10	As per technical specifications	
3.2.6	9-5/8" Retrieval Packer	EA	5	25	5	30	As per technical specifications	
3.2.7	Downhole Gauge Carrier - FIT FOR BOTH 9-5/8" & 7" CASING	EA	1	6	1	7	As per technical specifications	
3.2.8	Polished Bore Receptacle - FIT FOR BOTH 9-5/8" & 7" CASING	EA	1	6	1	7	As per technical specifications	
3.2.9	Disappearing Plug & Autofill Sub	EA	1	6	1	7	As per technical specifications	
3.2.10	Selective Landing Nipple	EA	2	12	2	14	As per technical specifications	
3.2.11	Wireline Entry Guide	EA	1	6	1	7	As per technical specifications	
3.2.12	Chemical Injection Valve	EA	1	6	1	7	As per technical specifications	
3.2.13	Others	EA/SET					Bidder(s) to specify	
<b>3.3</b>	<b>COMPLETION EQUIPMENT F/ INJECTION/ PRODUCTION WELLS (L-80) - 03 WELLS W/ 9-5/8" CASING</b>							
3.3.1	Tubing Retrievable Subsurface Safety Valve (TRSV)	EA	1	3	1	4	As per technical specifications	
3.3.2	Flow Coupling	EA	2	6	2	8	As per technical specifications	
3.3.3	Gas Lift Mandrel	EA	5	15	5	20	As per technical specifications	
3.3.4	Sliding Sleeve	EA	6	18	6	24	As per technical specifications	
3.3.5	9-5/8" Retrieval Packer	EA	5	15	5	20	As per technical specifications	
3.3.6	Downhole Gauge Carrier	EA	1	3	1	4	As per technical specifications	
3.3.7	Polished Bore Receptacle	EA	1	3	1	4	As per technical specifications	
3.3.8	Disappearing Plug & Autofill Sub	EA	1	3	1	4	As per technical specifications	
3.3.9	Selective Landing Nipple	EA	2	6	2	8	As per technical specifications	
3.3.10	Wireline Entry Guide	EA	1	3	1	4	As per technical specifications	
3.3.11	Others	EA/SET					Bidder(s) to specify	
<b>3.4</b>	<b>COMPLETION EQUIPMENT &amp; ACCESSORIES USING F/ BOTH PRODUCTION &amp; INJECTION/ PRODUCTION WELLS</b>							
3.4.1	Secondary Wireline SCSSV	EA	2	2	0	2	As per technical specifications	
3.4.2	Hydraulic Control Line (300m)	Ft	984	8,858	1,969	10,827	As per technical specifications	



**APPENDIX II-1**  
**TECHNICAL SPECIFICATION FOR COMPLETION EQUIPMENT AND SERVICES**

ITEM	DESCRIPTIONS	UNIT	QUANTITY				TOTAL	CLIENT'S MINIMUM REQUIREMENTS	BIDDER PROPOSAL
			Per well	Extended	Back up				
3.4.3	SSV Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	2	18	4	22	As per technical specifications		
3.4.4	IPO Valve c/w Latch	EA	4	36	8	44	As per technical specifications		
3.4.5	Orifice Valve c/w Latch	EA	1	9	2	11	As per technical specifications		
3.4.6	GLM Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	10	90	20	110	As per technical specifications		
3.4.7	Chemical Injection Line (1000m)	Ft	3,281	19,685	3,281	22,966	As per technical specifications		
3.4.8	CIV Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	2	12	4	16	As per technical specifications		
3.4.9	Downhole Gauge	EA	1	9	2	11	As per technical specifications		
3.4.10	Downhole Gauge Cable (3500m)	Ft	11,483	103,346	22,966	126,312	As per technical specifications		
3.4.11	Surface Acquisition Unit includes Card, Cable Gland	Set	1	1	1	2	As per technical specifications		
3.4.12	Surface Cable	Metre	150	1350	300	1,650	As per technical specifications		
3.4.13	Normal Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	300	2,700	600	3,300	As per technical specifications		
3.4.14	Wellhead Outlet for Wellhead	EA	1	9	2	11	Bidder(s) to specify		
3.4.15	Fitting for Tubing Hanger & Wellhead	Set	1	9	9	18	Bidder(s) to specify		
3.4.16	Redress Kits IPO/ Orifice Valves & Latches	Set	1	9	15	24	Bidder(s) to specify		
3.4.17	Others	EA/SET					Bidder(s) to specify		
<b>3.5</b>	<b>RUNNING/ RETRIEVING TOOLS</b>								
3.5.1	Lockout Tool for TRSV	Set	2	2	0	2	Bidder(s) to specify		
3.5.2	Communication Tool for TRSV	Set	2	2	0	2	Bidder(s) to specify		
3.5.3	Others	EA/SET					Bidder(s) to specify		
<b>3.6</b>	<b>SLACKLINE TOOLS</b>								
3.6.1	Otis 2.813" "X" Lock Mandrel	Set	2	2	2	4	Bidder(s) to specify		
3.6.2	Otis 2.813" "PX" Plug Assembly	Set	2	2	2	4	Bidder(s) to specify		
3.6.3	Otis 2.813" "X" Line Running Tool	Set	2	2	0	2	Bidder(s) to specify		
3.6.4	Otis 3" GS Running/Pulling Tool	Set	2	2	0	2	Bidder(s) to specify		
3.6.5	Otis 2" SB Pulling Tool f/Running/Pulling PX Prong	Set	2	2	0	2	Bidder(s) to specify		
3.6.6	Otis 3" "B" Shifting Tool	Set	2	2	2	4	Bidder(s) to specify		



**APPENDIX II-1  
TECHNICAL SPECIFICATION FOR COMPLETION EQUIPMENT AND SERVICES**

ITEM	DESCRIPTIONS	UNIT	QUANTITY			TOTAL	CLIENT'S MINIMUM REQUIREMENTS	BIDDER PROPOSAL
			Per well	Extended	Back up			
3.6.7	Otis 2.813" Selective Shifting Tool	Set	2	2	2	4	Bidder(s) to specify	
3.6.8	Camco 3-1/2" OK-6 KOT 7/1" Valves	Set	2	2	0	2	Bidder(s) to specify	
3.6.9	Camco JK Running Tool	Set	2	2	0	2	Bidder(s) to specify	
3.6.10	Camco 1 1/4" JDC Pulling Tool	Set	2	2	0	2	Bidder(s) to specify	
3.6.11	Redress Kits F/ Lock & Plug	Set	10	10	10	20	Bidder(s) to specify	
3.6.12	Others	EA/SET					Bidder(s) to specify	
<b>3.7</b>	<b>RENTAL TOOLS</b>							
3.7.1	Control line TRSV Stand	EA	2	2	0	2	Bidder(s) to specify	
3.7.2	Gauge Cable Spooling unit	EA	2	2	0	2	Bidder(s) to specify	
3.7.3	Chemical line Spooling unit	EA	2	2	0	2	Bidder(s) to specify	
3.7.4	Offshore Downhole Gauge Container	EA	1	1	0	1	Bidder(s) to specify	
3.7.5	Completion basket (min. 40ft length)	EA	2	2	0	2	Bidder(s) to specify	
3.7.6	Completion toolbox	EA	1	1	0	1	Bidder(s) to specify	
3.7.7	Others	EA/SET					Bidder(s) to specify	
<b>3.8</b>	<b>SERVICES</b>							
3.8.1	Gas Lift Design	Well	1	9	0	9	Bidder(s) to specify	
3.8.2	IPO Gas Lift Valve Nitrogen Charge and Calibration	Well	1	9	0	9	Bidder(s) to specify	
3.8.3	Sub-assembly Make-up & Testing	Well	1	9	0	9	Bidder(s) to specify	
3.8.4	Others	EA/SET					Bidder(s) to specify	

**NOTES:** For optional items, CONTRACTOR must propose as CLIENT's requirement. Any missing items may be considered disqualification



**APPENDIX II-1.1  
TECHNICAL SPECIFICATION FOR COMPLETION EQUIPMENT AND SERVICES**

ITEM	DESCRIPTIONS	UNIT	QUANTITY			TOTAL	CLIENT'S MINIMUM REQUIREMENTS	BIDDER PROPOSAL
			Per well	Extended	Back up			
<b>FIRST DELIVERY TIME</b>								
<b>3.2 COMPLETION EQUIPMENT F/ PRODUCTION WELLS (13CR)</b>								
3.2.1	Tubing Retrievable Subsurface Safety Valve (TRSV) - FIT FOR BOTH 9-5/8" & 7" CASING	EA	1	6	1	7	As per technical specifications	
3.2.2	Flow Coupling	EA	2	12	2	14	As per technical specifications	
3.2.3	Gas Lift Mandrel - FIT FOR BOTH 9-5/8" & 7" CASING	EA	5	30	5	35	As per technical specifications	
3.2.4	Sliding Sleeve	EA	6	36	6	42	As per technical specifications	
3.2.5	7" Retrieval Packer	EA	5	5	5	10	As per technical specifications	
3.2.6	9-5/8" Retrieval Packer	EA	5	25	5	30	As per technical specifications	
3.2.7	Downhole Gauge Carrier - FIT FOR BOTH 9-5/8" & 7" CASING	EA	1	6	1	7	As per technical specifications	
3.2.8	Polished Bore Receptacle - FIT FOR BOTH 9-5/8" & 7" CASING	EA	1	6	1	7	As per technical specifications	
3.2.9	Disappearing Plug & Autofill Sub	EA	1	6	1	7	As per technical specifications	
3.2.10	Selective Landing Nipple	EA	2	12	2	14	As per technical specifications	
3.2.11	Wireline Entry Guide	EA	1	6	1	7	As per technical specifications	
3.2.12	Chemical Injection Valve	EA	1	6	1	7	As per technical specifications	
3.2.13	Others	EA/SET					Bidder(s) to specify	
<b>3.3 COMPLETION EQUIPMENT F/ INJECTION/ PRODUCTION WELLS (L-80)</b>								
3.3.1	Tubing Retrievable Subsurface Safety Valve (TRSV)	EA	1	0	0	0	As per technical specifications	
3.3.2	Flow Coupling	EA	2	0	0	0	As per technical specifications	
3.3.3	Gas Lift Mandrel	EA	5	0	0	0	As per technical specifications	
3.3.4	Sliding Sleeve	EA	6	0	0	0	As per technical specifications	
3.3.5	9-5/8" Retrieval Packer	EA	5	0	0	0	As per technical specifications	
3.3.6	Downhole Gauge Carrier	EA	1	0	0	0	As per technical specifications	
3.3.7	Polished Bore Receptacle	EA	1	0	0	0	As per technical specifications	
3.3.8	Disappearing Plug & Autofill Sub	EA	1	0	0	0	As per technical specifications	
3.3.9	Selective Landing Nipple	EA	2	0	0	0	As per technical specifications	



**APPENDIX II-1.1  
TECHNICAL SPECIFICATION FOR COMPLETION EQUIPMENT AND SERVICES**

ITEM	DESCRIPTIONS	UNIT	QUANTITY			TOTAL	CLIENT'S MINIMUM REQUIREMENTS	BIDDER PROPOSAL
			Per well	Extended	Back up			
3.3.10	Wireline Entry Guide	EA	1	0	0	0	As per technical specifications	
3.3.11	Others	EA/SET					Bidder(s) to specify	
<b>3.4</b>	<b>COMPLETION EQUIPMENT &amp; ACCESSORIES USING F/ BOTH PRODUCTION &amp; INJECTION/ PRODUCTION WELLS</b>							
3.4.1	Secondary Wireline SCSV	EA	2	2	0	2	As per technical specifications	
3.4.2	Hydraulic Control Line (300m)	Ft	984	5,906	984	6,890	As per technical specifications	
3.4.3	SSV Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	2	12	2	14	As per technical specifications	
3.4.4	IPO Valve c/w Latch	EA	4	24	4	28	As per technical specifications	
3.4.5	Orifice Valve c/w Latch	EA	1	6	1	7	As per technical specifications	
3.4.6	GLM Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	10	60	10	70	As per technical specifications	
3.4.7	Chemical Injection Line (1000m)	Ft	3,281	19,685	3,281	22,966	As per technical specifications	
3.4.8	CIV Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	2	12	4	16	As per technical specifications	
3.4.9	Downhole Gauge	EA	1	6	1	7	As per technical specifications	
3.4.10	Downhole Gauge Cable (3500m)	Ft	11,483	68,898	11,483	80,381	As per technical specifications	
3.4.11	Surface Acquisition Unit includes Card, Cable Gland	Set	1	1	1	2	As per technical specifications	
3.4.12	Surface Cable	Metre	150	900	150	1,050	As per technical specifications	
3.4.13	Normal Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	300	1,800	300	2,100	As per technical specifications	
3.4.14	Wellhead Outlet for Wellhead	EA	1	9	2	11	Bidder(s) to specify	
3.4.15	Fitting for Tubing Hanger & Wellhead	Set	1	9	9	18	Bidder(s) to specify	
3.4.16	Redress Kits IPO/Orifice Valves & Latches	Set	1	9	15	24	Bidder(s) to specify	
3.4.17	Others	EA/SET					Bidder(s) to specify	
<b>3.5</b>	<b>RUNNING/ RETRIEVING TOOLS</b>							
3.5.1	Lockout Tool for TRSV	Set	2	2	0	2	Bidder(s) to specify	
3.5.2	Communication Tool for TRSV	Set	2	2	0	2	Bidder(s) to specify	
3.5.3	Others	EA/SET					Bidder(s) to specify	
<b>3.6</b>	<b>SLICKLINE TOOLS</b>							
3.6.1	Otis 2.813" "X" Lock Mandrel	Set	2	2	2	4	Bidder(s) to specify	
3.6.2	Otis 2.813" "PX" Plug Assembly	Set	2	2	2	4	Bidder(s) to specify	



**APPENDIX II-1.1  
TECHNICAL SPECIFICATION FOR COMPLETION EQUIPMENT AND SERVICES**

ITEM	DESCRIPTIONS	UNIT	QUANTITY			TOTAL	CLIENT'S MINIMUM REQUIREMENTS	BIDDER PROPOSAL
			Per well	Extended	Back up			
3.6.3	Otis 2.813" "X" Line Running Tool	Set	2	2	0	2	Bidder(s) to specify	
3.6.4	Otis 3" GS Running/Pulling Tool	Set	2	2	0	2	Bidder(s) to specify	
3.6.5	Otis 2" SB Pulling Tool f/Running/Pulling PX Prong	Set	2	2	0	2	Bidder(s) to specify	
3.6.6	Otis 3" "B" Shifting Tool	Set	2	2	2	4	Bidder(s) to specify	
3.6.7	Otis 2.813" Selective Shifting Tool	Set	2	2	2	4	Bidder(s) to specify	
3.6.8	Camco 3-1/2" OK-6 KOT f/1" Valves	Set	2	2	0	2	Bidder(s) to specify	
3.6.9	Camco JK Running Tool	Set	2	2	0	2	Bidder(s) to specify	
3.6.10	Camco 1 1/4" JDC Pulling Tool	Set	2	2	0	2	Bidder(s) to specify	
3.6.11	Redress Kits F/ Lock & Plug	Set	10	10	10	20	Bidder(s) to specify	
3.6.12	Others	EA/SET					Bidder(s) to specify	



**APPENDIX II-1.2  
TECHNICAL SPECIFICATION FOR COMPLETION EQUIPMENT AND SERVICES**

ITEM	DESCRIPTIONS	UNIT	QUANTITY			TOTAL	CLIENT'S MINIMUM REQUIREMENTS	BIDDER PROPOSAL
			Per well	Extended	Back up			
<b>SECOND DELIVERY TIME</b>								
<b>3.2 COMPLETION EQUIPMENT F/ PRODUCTION WELLS (13CR)</b>								
3.2.1	Tubing Retrievable Subsurface Safety Valve (TRSV) - FIT FOR BOTH 9-5/8" & 7" CASING	EA	1	0	0	0	As per technical specifications	
3.2.2	Flow Coupling	EA	2	0	0	0	As per technical specifications	
3.2.3	Gas Lift Mandrel - FIT FOR BOTH 9-5/8" & 7" CASING	EA	5	0	0	0	As per technical specifications	
3.2.4	Sliding Sleeve	EA	6	0	0	0	As per technical specifications	
3.2.5	7" Retrieval Packer	EA	5	0	0	0	As per technical specifications	
3.2.6	9-5/8" Retrieval Packer	EA	5	0	0	0	As per technical specifications	
3.2.7	Downhole Gauge Carrier - FIT FOR BOTH 9-5/8" & 7" CASING	EA	1	0	0	0	As per technical specifications	
3.2.8	Polished Bore Receptacle - FIT FOR BOTH 9-5/8" & 7" CASING	EA	1	0	0	0	As per technical specifications	
3.2.9	Disappearing Plug & Autofill Sub	EA	1	0	0	0	As per technical specifications	
3.2.10	Selective Landing Nipple	EA	2	0	0	0	As per technical specifications	
3.2.11	Wireline Entry Guide	EA	1	0	0	0	As per technical specifications	
3.2.12	Chemical Injection Valve	EA	1	0	0	0	As per technical specifications	
3.2.13	Others	EA/SET					Bidder(s) to specify	
<b>3.3 COMPLETION EQUIPMENT F/ INJECTION/ PRODUCTION WELLS (L-80)</b>								
3.3.1	Tubing Retrievable Subsurface Safety Valve (TRSV)	EA	1	3	1	4	As per technical specifications	
3.3.2	Flow Coupling	EA	2	6	2	8	As per technical specifications	
3.3.3	Gas Lift Mandrel	EA	5	15	5	20	As per technical specifications	
3.3.4	Sliding Sleeve	EA	6	18	6	24	As per technical specifications	
3.3.5	9-5/8" Retrieval Packer	EA	5	15	5	20	As per technical specifications	
3.3.6	Downhole Gauge Carrier	EA	1	3	1	4	As per technical specifications	
3.3.7	Polished Bore Receptacle	EA	1	3	1	4	As per technical specifications	
3.3.8	Disappearing Plug & Autofill Sub	EA	1	3	1	4	As per technical specifications	
3.3.9	Selective Landing Nipple	EA	2	6	2	8	As per technical specifications	



**APPENDIX II-1.2  
TECHNICAL SPECIFICATION FOR COMPLETION EQUIPMENT AND SERVICES**

ITEM	DESCRIPTIONS	UNIT	QUANTITY			TOTAL	CLIENT'S MINIMUM REQUIREMENTS	BIDDER PROPOSAL
			Per well	Extended	Back up			
3.3.10	Wireline Entry Guide	EA	1	3	1	4	As per technical specifications	
3.3.11	Others	EA/SET					Bidder(s) to specify	
<b>3.4</b>	<b>COMPLETION EQUIPMENT &amp; ACCESSORIES USING F/ BOTH PRODUCTION &amp; INJECTION/ PRODUCTION WELLS</b>							
3.4.1	Secondary Wireline SCSSV	EA	0	0	0	0	As per technical specifications	
3.4.2	Hydraulic Control Line (300m)	Ft	984	2,953	984	3,937	As per technical specifications	
3.4.3	SSV Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	2	6	2	8	As per technical specifications	
3.4.4	IPO Valve c/w Latch	EA	4	12	4	16	As per technical specifications	
3.4.5	Orifice Valve c/w Latch	EA	1	3	1	4	As per technical specifications	
3.4.6	GLM Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	10	30	10	40	As per technical specifications	
3.4.7	Chemical Injection Line (1000m)	Ft	3,281	0	0	0	As per technical specifications	
3.4.8	CIV Special Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	2	0	0	0	As per technical specifications	
3.4.9	Downhole Gauge	EA	1	3	1	4	As per technical specifications	
3.4.10	Downhole Gauge Cable (3500m)	Ft	11,483	34,449	11,483	45,932	As per technical specifications	
3.4.11	Surface Acquisition Unit includes Card, Cable Gland	Set	1	0	0	0	As per technical specifications	
3.4.12	Surface Cable	Metre	150	450	150	600	As per technical specifications	
3.4.13	Normal Protector Clamp - FIT FOR BOTH 9-5/8" & 7" CASING	EA	300	900	300	1,200	As per technical specifications	
3.4.14	Wellhead Outlet for Wellhead	EA	1	0	0	0	Bidder(s) to specify	
3.4.15	Fitting for Tubing Hanger & Wellhead	Set	1	0	0	0	Bidder(s) to specify	
3.4.16	Redress Kits IPO/ Orifice Valves & Latches	Set	1	0	0	0	Bidder(s) to specify	
3.4.17	Others	EA/SET					Bidder(s) to specify	

