



SIAM Operation Co., Ltd.
บริษัท สยาม ปฏิบัติการ จำกัด

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CALIPER SURVEY OF THE 5th TRANSMISSION PIPELINE PHASE 1 REPORT

Customer : Global Technology(Bang) Company Linmited

Report no. 202010 Rev.A

**Address : 71/244, Soi 164, Ramkamhaeng Road,
Minburi, Bangkok 10510 THAILAND.**

Date : 1st April 2021



36" x 55 km. Caliper Survey with 3D Mapping

Reported By

Checked by

Approved by

Montri S.

Montri S.

Dumrongwit C.



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INTRODUCTION

According to Siam Operation Co., Ltd. got the service order from Global Technology(Bang) Co., Ltd. to do supporting work of 36" x 55 km. Caliper Survey with 3D Mapping job for the 5th transmission pipeline Phase 1.

Now the service accordingly to work scope had done Siam Operation Co., Ltd. Would like to submit this service report to Global Technology(Bang) Company Linmited for consideration and approval.

Montri Satjing

Operating Manager
Siam Operation Co., Ltd.



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SCOPE OF WORK

1. Technician/Foreman-2 persons+Labor-2persons-3 days
2. Light Truck/Pickup with fuel-1no. For 3 days
3. Accommodation & Food for all the man power - 3 days



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Planning

Tool Set Up and Launching Plan on 29 Mar.21

Activity	Time		Remark
	Start	Finish	
Tool Set Up	04:15:00 AM	04:45:00 AM	Apprx. 30 minutes required (Apprx.)
Mobilize to BV 5.6	05:00:00 AM	07:00:00 AM	1.5 - 2 hrs required
Tool Loading and Launching	07:30:00 AM	08:00:00 AM	Tool Speed 0.5 m/s (Apprx.) at 5 bar back press.
Tool Travelling and Arrive at Receiver	08:00:00 AM	14-15 PM (30 Mar)	30 hrs (Apprx.)

Actual work

Tool Set Up and Launching Plan on 29 Mar.21

Activity	Time		Remark
	Start	Finish	
Tool Set Up	4:30:00 AM	6:00:00 AM	Apprx. 30 minutes required (Apprx.)
Mobilize to BV 5.6	7:00:00 AM	9:00:00 AM	1.5 - 2 hrs required
Tool Loading and Launching	9:30:00 AM	13:40:00 PM	Tool Speed 0.5 m/s (Apprx.) at 5 bar back press.
Tool Travelling and Arrive at Receiver	13:40:00 PM	15:30:00 PM + 24 Hrs.	26 hrs (Apprx.)



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Site survey #1

ITEM	KP No.	Ref. from Map	LATITUDE	LONGTITUDE	Photo	estimate time arrival	Distance
1	0	BV5.6	13.400338	101.342021		13.41	0
2	0.9	สะพานข้ามคลอง	13.403598	101.335128		14.14	0.9
3	2.15	สี่แยกติดกับบึงน้ำมัน	13.403692798	101.325644801		-	1.25
4	2.55	บ่อข้างประตูน้ำ	13.405168	101.323783		16.47	0.4
5	4.6	บ่อสะพานข้ามคลอง	13.406497705	101.307914133		18.32	2.05
6	6.37	บ่อสะพานข้ามคลอง ชั้นรถล่อมไปจุดต่อไป	13.406786466	101.289507840		-	1.77
7	7.44	สี่แยกถนนดินแดง	13.405760	101.278437		20.48	1.07
8	9.84	วัดโค่งพระอยู่ขวามือ เลี้ยวซ้ายแล้วก็เลี้ยวขวา	13.414075	101.261702		-	2.4
9	11.9	สี่แยกสะพานข้าม คลองขวามือ	13.429742	101.252400		2.40	2.06
10	13.7	สี่แยกสะพานข้าม คลอง	13.441676	101.244728		4.00	1.8



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Site survey #2

ITEM	KP No.	Ref. from Map	LATITUDE	LONGTITUDE	Photo	estimate time arrival
11	15.6	BP1	13.455613	101.234690		5.30
12	17	สามแยกในนา ด้านซ้าย	13.463951	101.226865		6.30
13	19.06	สี่แยกติดถนนด้านซ้าย	13.471123	101.211659		
14	21.11	สี่แยกติดถนนสะพาน ข้ามคลอง RMC23+141	13.487980	101.206015		
15	27	สามแยกสะพานข้าม คลอง	13.532789	101.186773		
16	30.2	BP2	13.546374	101.181693		
17	33.78	ติดถนนมีประตูรั้วสี เหลือง	13.576436	101.169950		
18	36.28	กลางพื้นที่บ่อทุ่ง	13.5963294	101.162561		
19	42.5	สะพานข้ามคลองมี ประตูน้ำ	13.603498	101.108279		
20	45.3	BP3	13.578921	101.104242		



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Site survey #3

Ref. from Map	LATITUDE	LONGTITUDE	Photo	estimate time arrival	Distance
ซ้ายมือสามแยก สะพานข้ามคลอง	13.539688	101.096158			4.46
สี่แยกประตุน้ำติดถนน	13.512374	101.052304			6.24
BP4	13.506432	101.034225			2



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The inspection and set up



Siam Operation did provide facility and tool for inspection and set up by GTC



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Mobilization to site



Siam Operation did provide Hieb truck to transport tool to site at BV5.6



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Loading tool at the PIG Launcher



Siam Operation did provide man-power to support the PIG Loading



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Tracking the location of caliper tool



Siam Operation did provide man-power for tracking the tool



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Unloading tool at PIG receiver BP4



Siam Operation did provide man-power for unloading the tool at BP4



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De-mobilization from site BP4



Siam Operation did provide Hieb truck to transport tool from site BP4



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Cleaning



Siam Operation did provide man-power for cleaning the tool at the facility



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Loading data



Siam Operation did provide facility and tools for GTC to loading data from PIG



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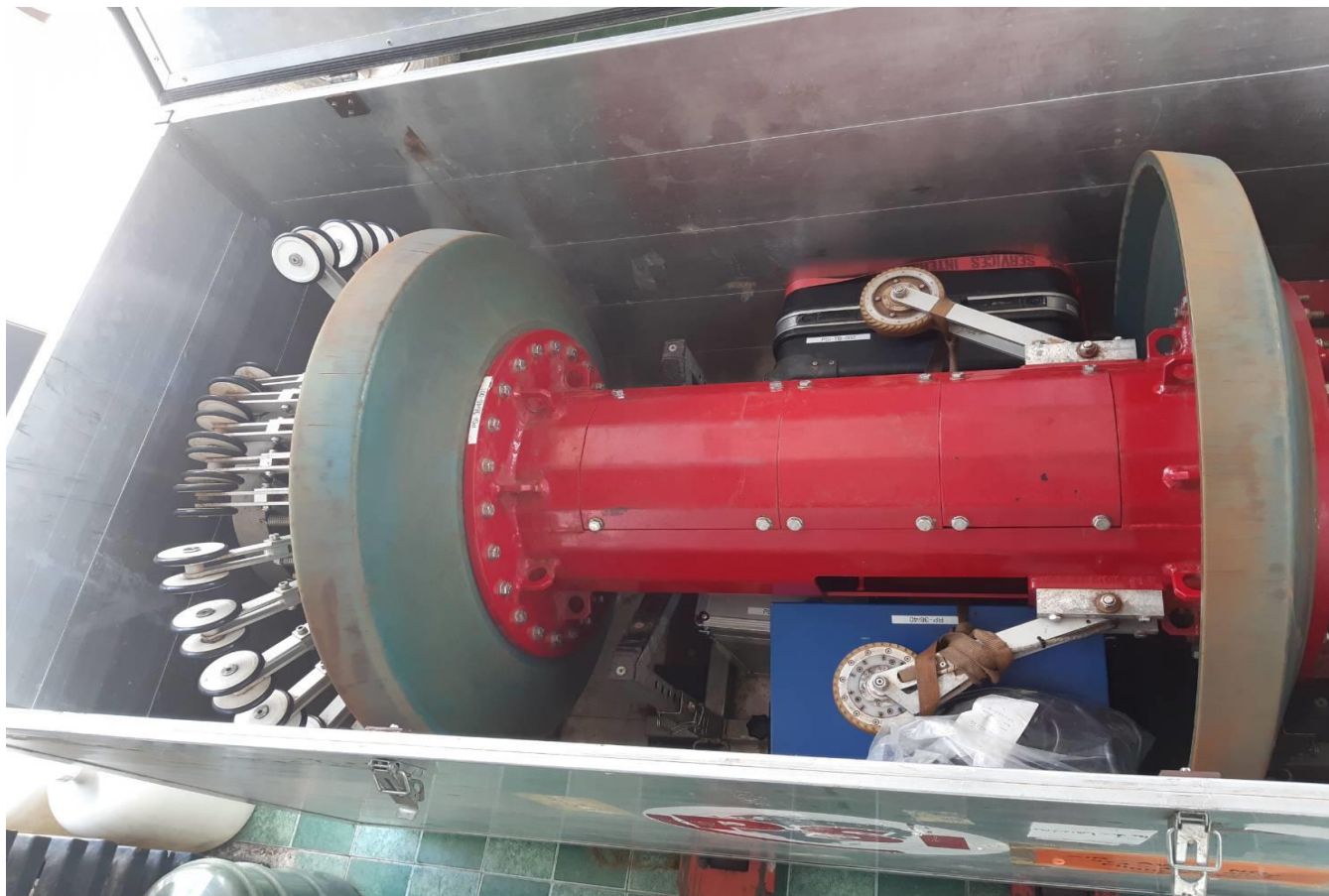
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Re-Packing



Siam Operation did provide facility and manpower to repacking tool.