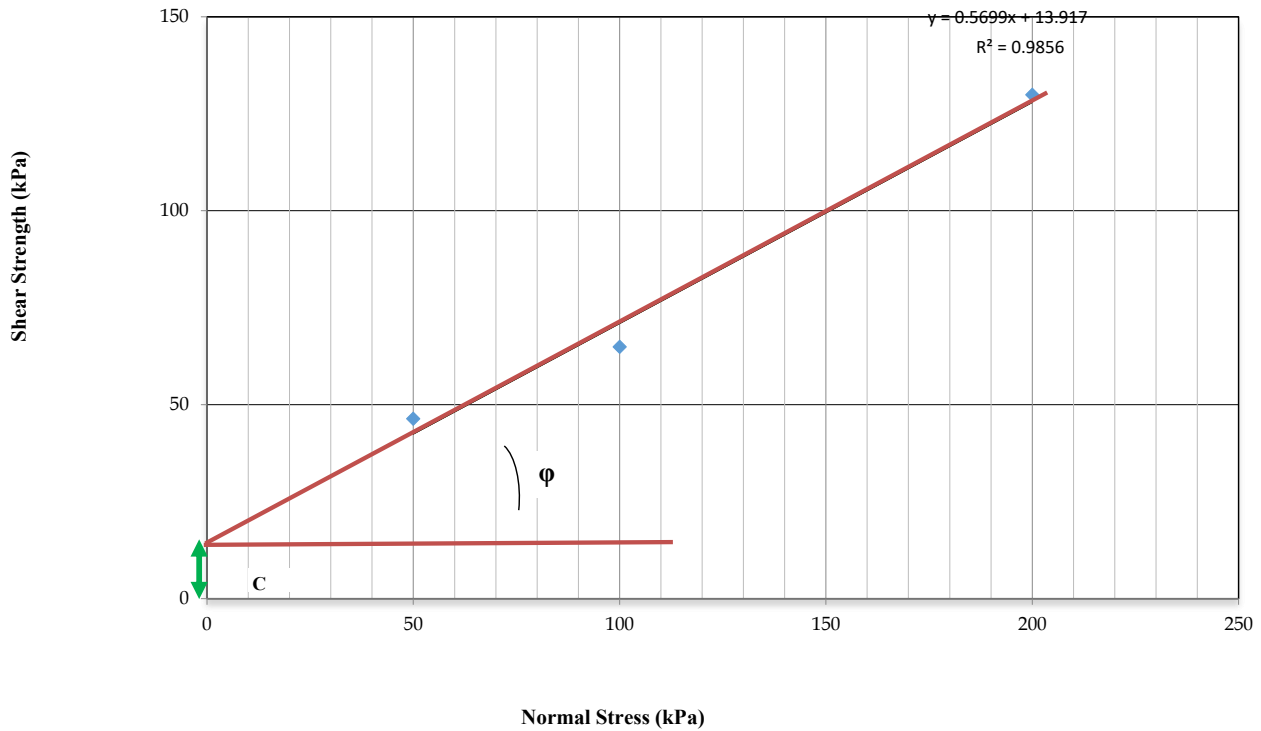


OVERVIEW OF RESULTS							
No	Location	Borehole	Sample No	Sampling depth (m)	Cohesion	Angle of Internal Friction	Unified Soil Classification According (Uses)
					(C) KPa	(degree) $\phi$	
1	Bugesera, Nyanza and Gisagara districts	BH1	BTP/014/02/2025	2.00	13.92	29.68	SC; Clayey sand with gravel
2			BTP/015/02/2025	4.00	13.92	34.06	SC; Clayey sand
3		BH2	BTP/016/02/2025	2.00	9.28	35.09	SC; Clayey sand
4			BTP/017/02/2025	4.00	16.24	31.09	SC; Clayey sand
5		BH3	BTP/018/02/2025	2.00	9.28	16.26	CL; Sandy lean clay
6			BTP/019/02/2025	4.00	18.56	32.73	CL; Sandy lean clay
7		BH4	BTP/020/02/2025	2.00	20.88	28.81	CL; Sandy lean clay
8			BTP/021/02/2025	4.00	24.35	30.95	CL; Sandy lean clay
9		BH5	BTP/022/02/2025	2.00	18.56	37.31	SC; Clayey sand
10			BTP/023/02/2025	4.00	23.19	31.09	CL; Sandy lean clay
11		BH6	BTP/024/02/2025	2.00	16.24	34.32	CL; Sandy lean clay
12			BTP/025/02/2025	4.00	23.19	38.49	CL; Sandy lean clay
13		BH7	BTP/026/02/2025	2.00	27.83	31.92	CL; Sandy lean clay
14			BTP/027/02/2025	4.00	13.92	35.59	SC; Clayey sand

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/014/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	2
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>	BH1		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength ts (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	46.39	13.92	29.68
100.0	64.94		
200.0	129.89		



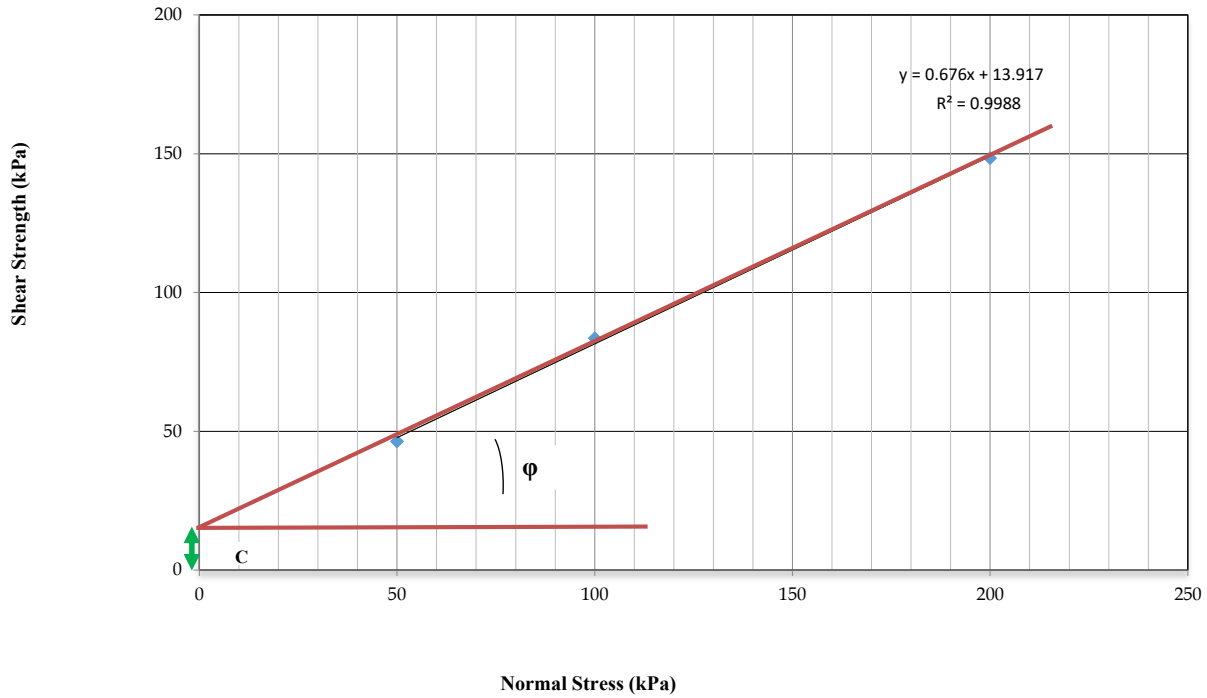
RINCENT BTP

Date	Operator	Checked by	Approved by Lab Manager	Remark
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/015/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	4
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>	BH1		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength $t_s$ (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	46.39	13.92	34.06
100.0	83.50		
200.0	148.44		



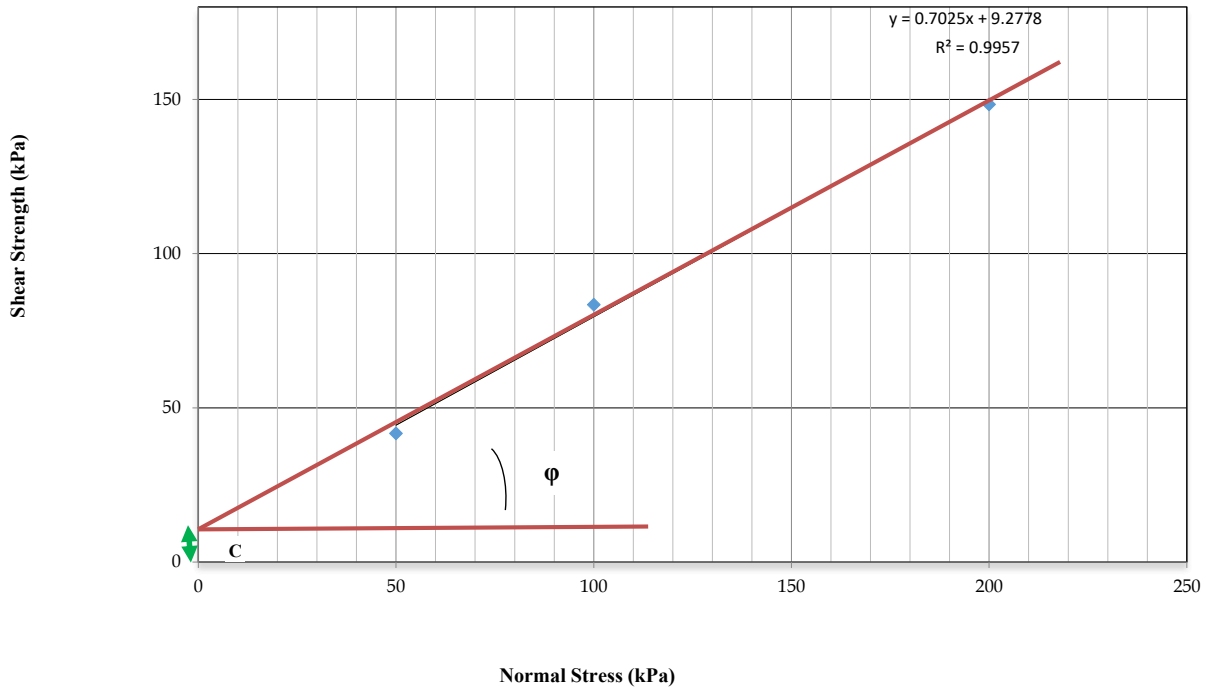
RINCENT BTP

Date	Operator	Checked by	Approved by Lab Manager	Remark
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/016/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	2
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>	BH2		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength $t_s$ (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	41.75	9.28	35.09
100.0	83.50		
200.0	148.44		



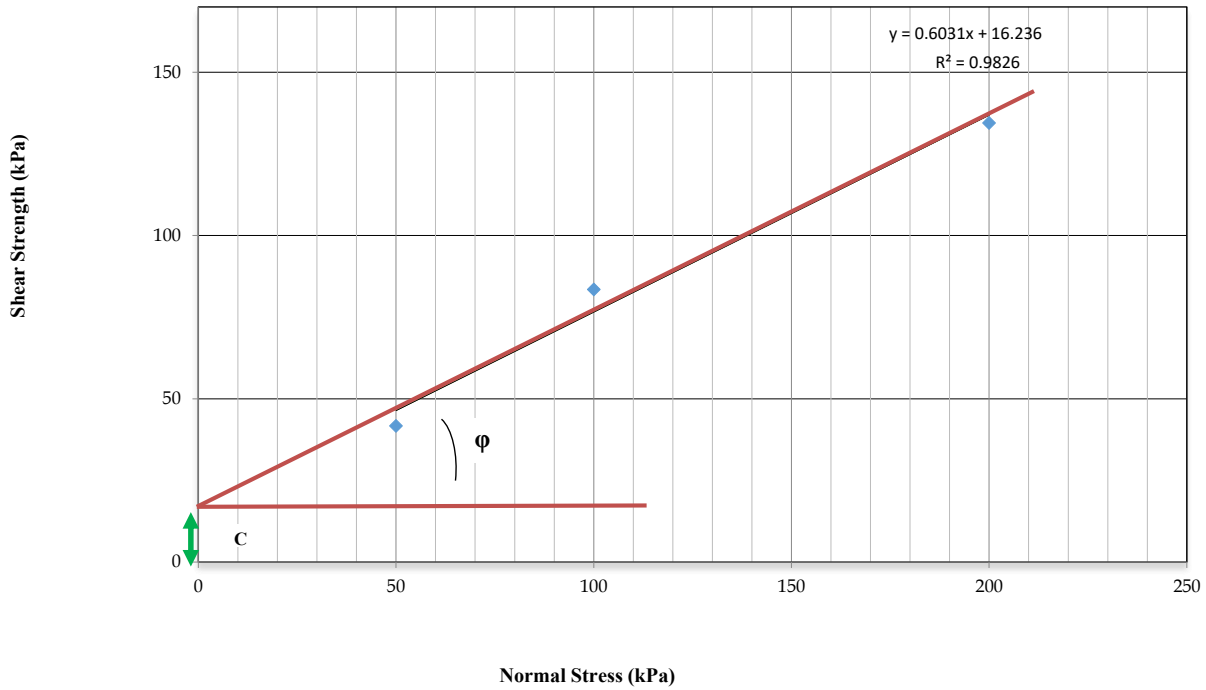
RINCENT BTP

<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/017/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	4
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>	BH2		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength $t_s$ (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	41.75	16.24	31.09
100.0	83.50		
200.0	134.53		



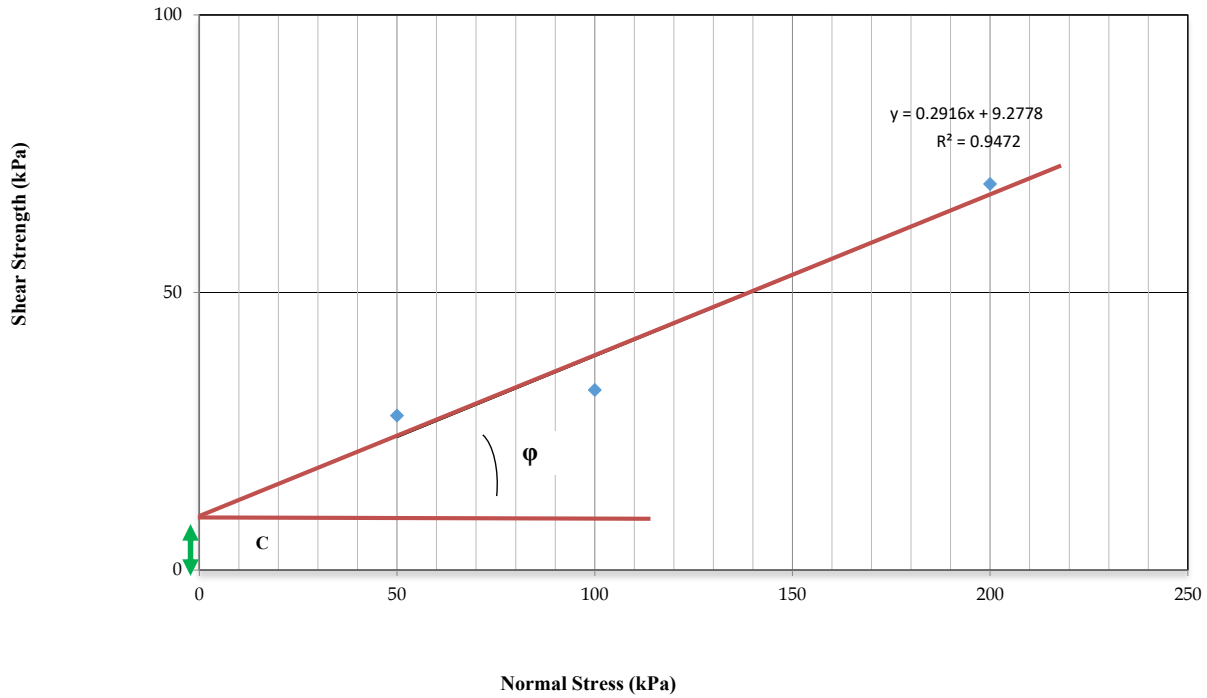
RINCENT BTP

<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/018/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	2
<b>Date sample received in Lab</b>	01 February 2025		
<b>Trial pit</b>	BH3		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength $t_s$ (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	27.83	9.28	16.26
100.0	32.47		
200.0	69.58		



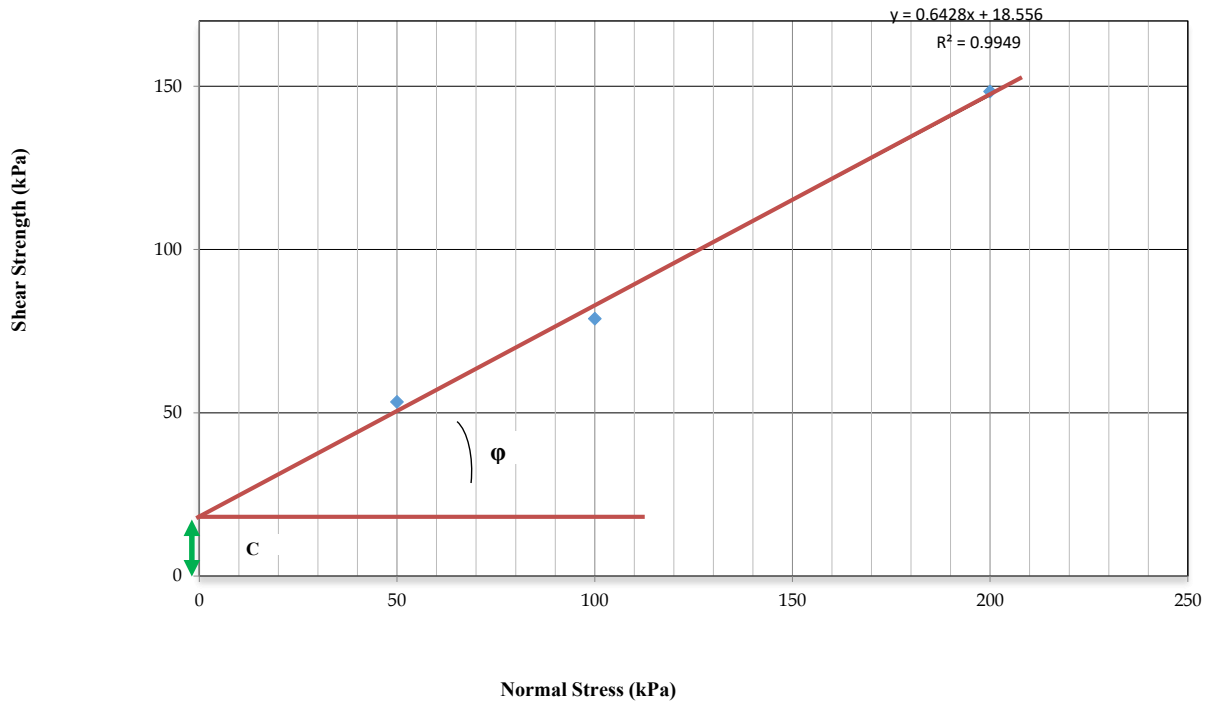
RINCENT BTP

<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/019/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	4
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>	BH3		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength $t_s$ (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	53.35	18.56	32.73
100.0	78.86		
200.0	148.44		



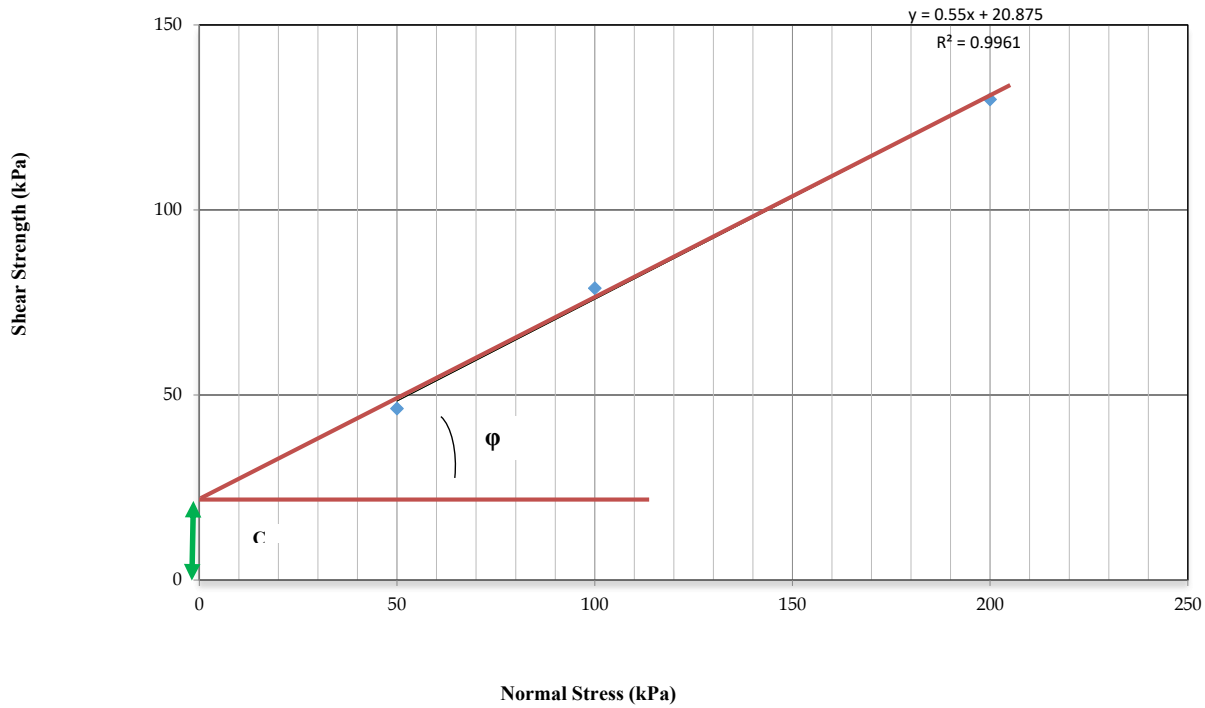
RINCENT BTP

<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/020/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	2
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>	BH4		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength $t_s$ (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	46.39	20.88	28.81
100.0	78.86		
200.0	129.89		



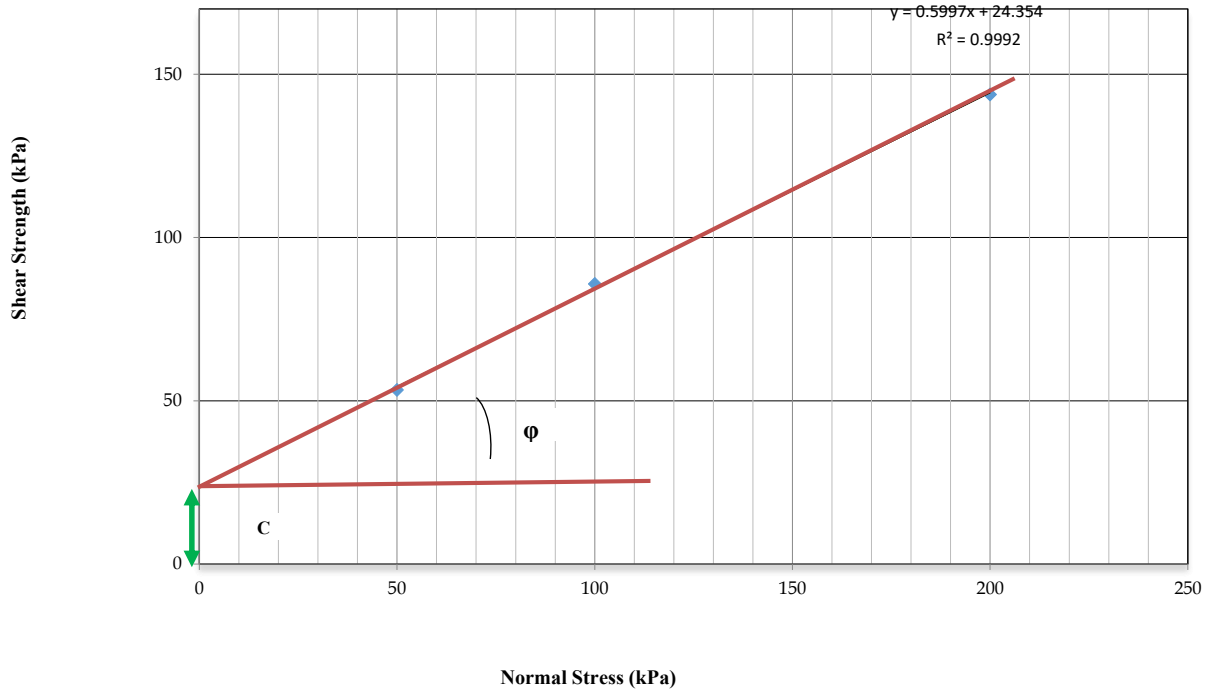
RINCENT BTP

<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/021/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	4
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>	BH4		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength $t_s$ (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	53.35	24.35	30.95
100.0	85.82		
200.0	143.81		



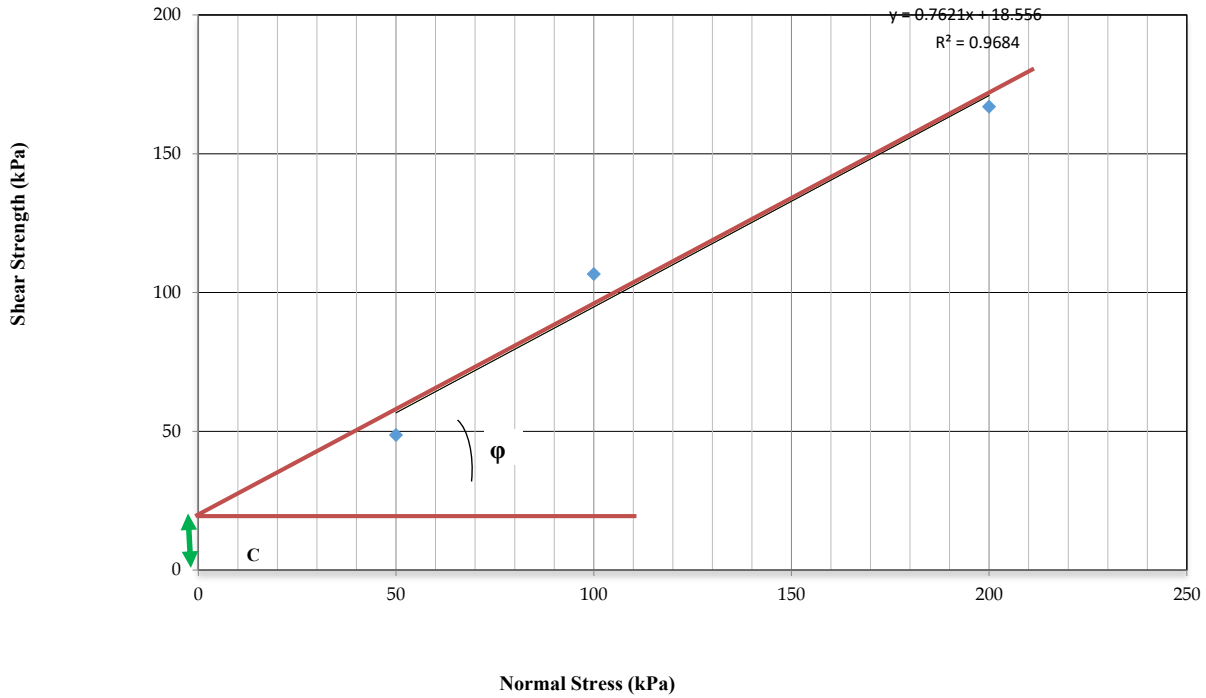
RINCENT BTP

<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/022/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	2
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>	BH5		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength ts (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	48.71	18.56	37.31
100.0	106.69		
200.0	167.00		



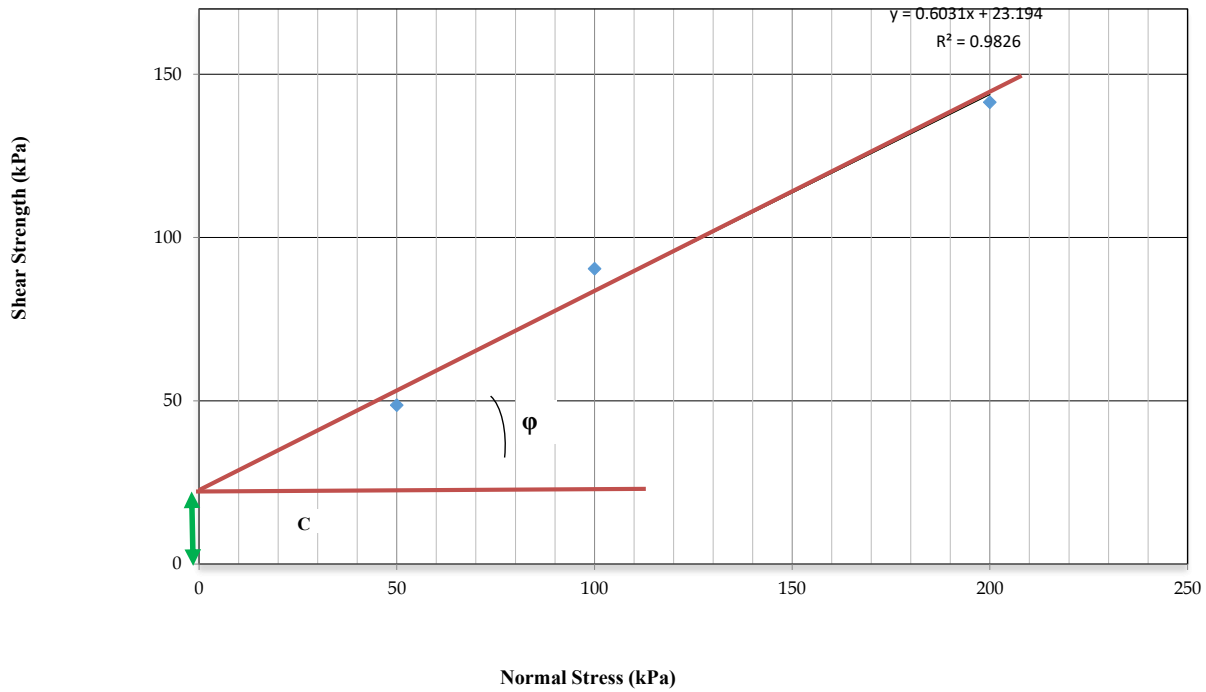
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<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/023/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	4
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>	BH5		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength $t_s$ (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	48.71	23.19	31.09
100.0	90.46		
200.0	141.49		



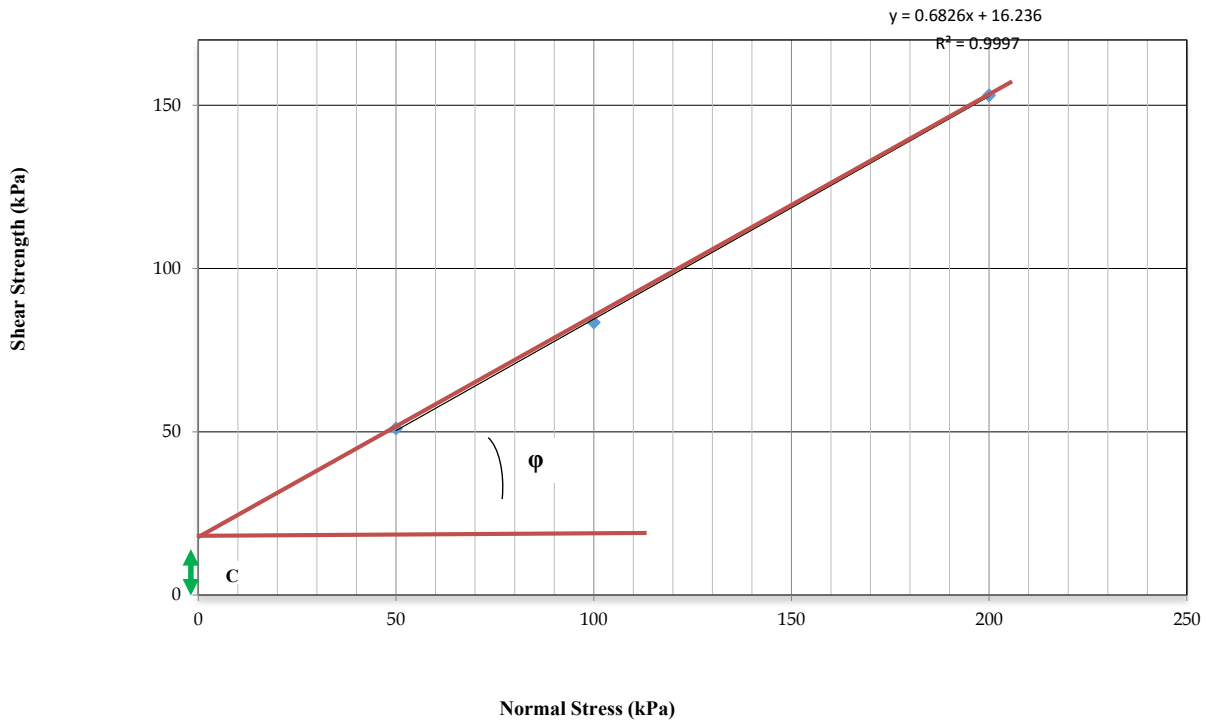
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Date	Operator	Checked by	Approved by Lab Manager	Remark
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/024/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	2
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>			

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength $t_s$ (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	51.03	16.24	34.32
100.0	83.50		
200.0	153.08		



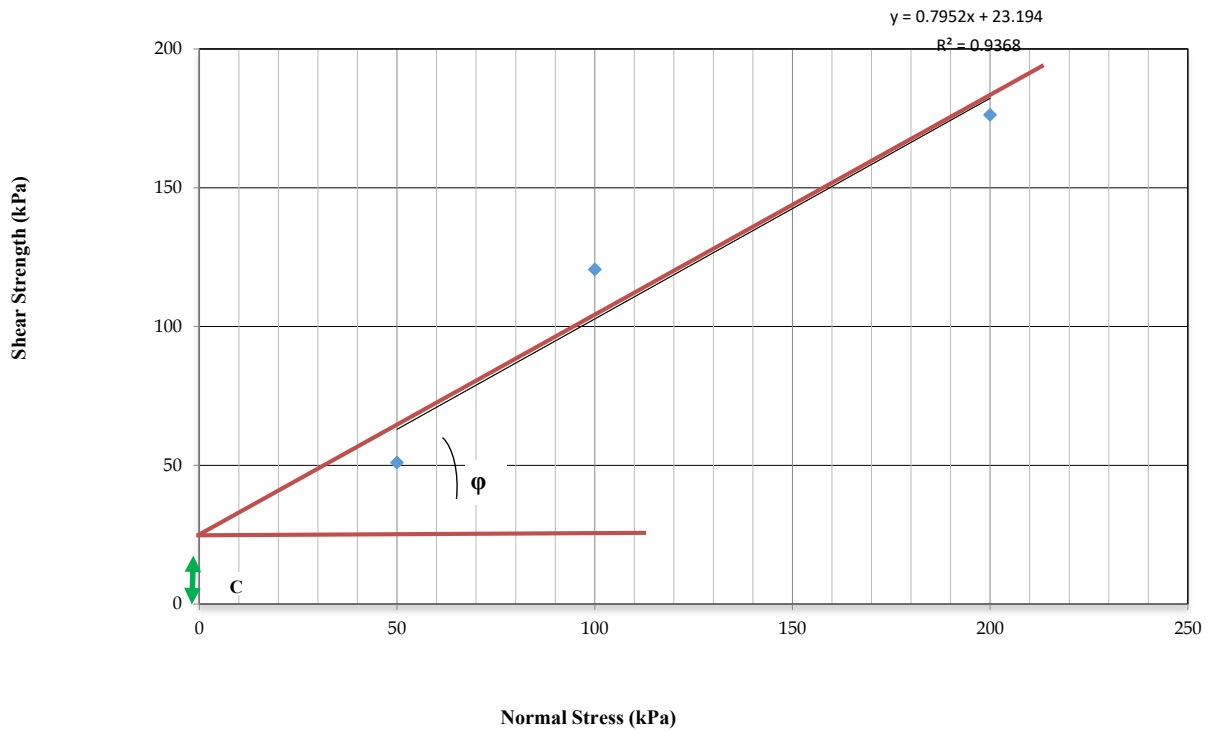
RINCENT BTP

<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/025/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Bugesera District	<b>Depth (m)</b>	4
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>	BH6		

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength ts (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	51.03	23.19	38.49
100.0	120.61		
200.0	176.28		



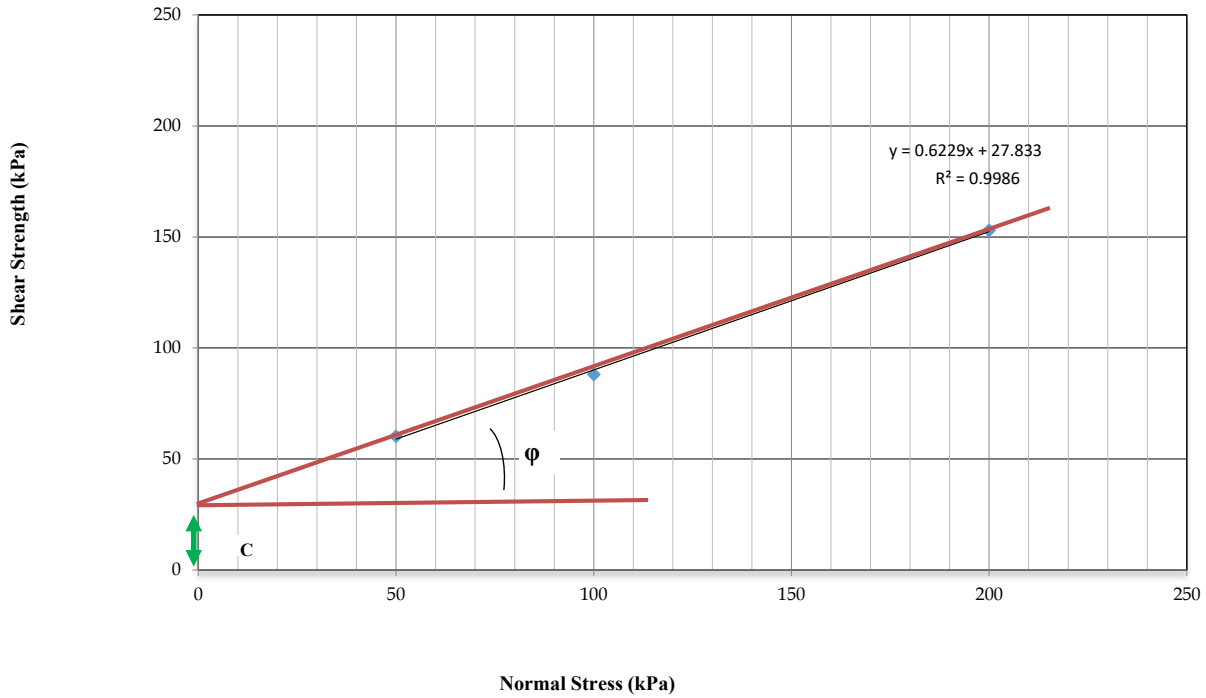
RINCENT BTP

<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/026/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Gisagara District	<b>Depth (m)</b>	
<b>Date sample received in Lab</b>	01 February 2025		
<b>Trial pit</b>			

Shear box size	(60*60*20)mm		
Normal Stress $\delta_n$ (kpa)	Shear strength ts (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	60.31	27.83	31.92
100.0	88.14		
200.0	153.08		



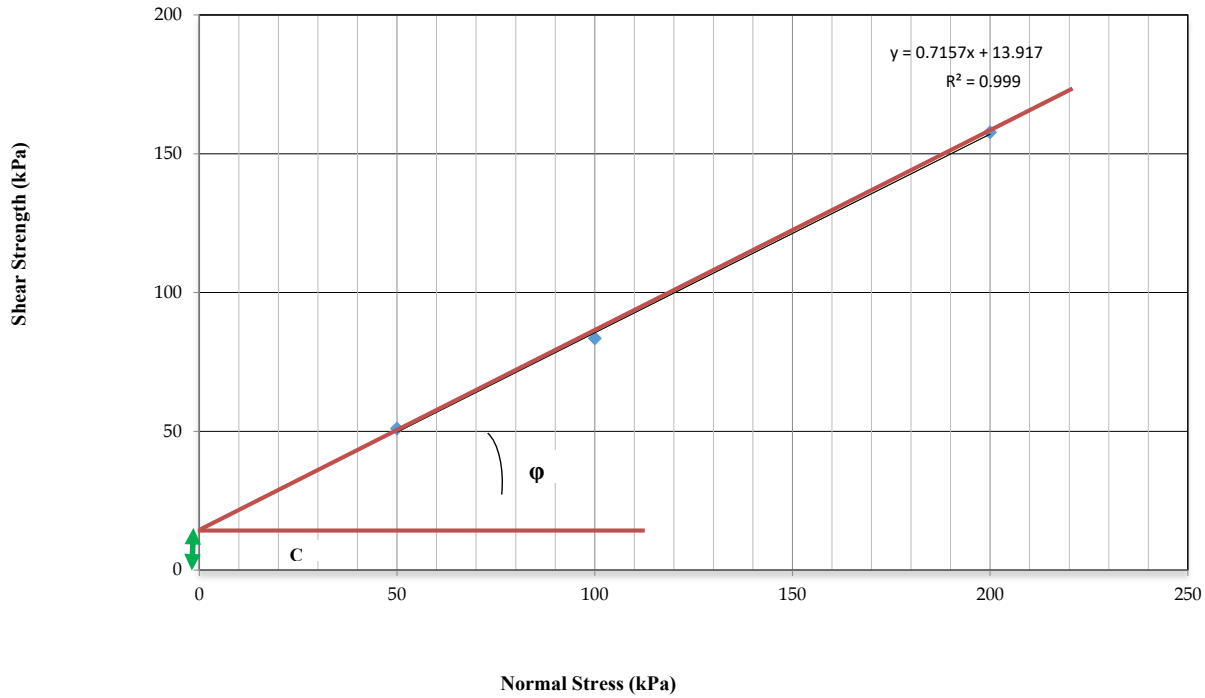
RINCENT BTP

<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	

DIRECT SHEAR TEST ACCORDIND TO ASTM D 3080

<b>Reseacher</b>	IRADULUNDA Jeremie	<b>Sample ID</b>	BTP/027/02/2025
<b>Project</b>	BUGESERA - NYANZA - MAMBA TRANSMISSION LINE	<b>Testing date</b>	5 February to 19 February 2025
<b>Location</b>	Gisagara District	<b>Depth (m)</b>	
<b>Date sample received in Lab</b>	01 February 2025		
<b>Borehole</b>			

Shear box size		(60*60*20)mm	
Normal Stress $\delta_n$ (kpa)	Shear strength $t_s$ (kPa)	Cohesion C (kPa)	Angle of Internal Friction $\Phi$ (degree)
50.0	51.03	13.92	35.59
100.0	83.50		
200.0	157.72		



RINCENT BTP

<b>Date</b>	<b>Operator</b>	<b>Checked by</b>	<b>Approved by Lab Manager</b>	<b>Remark</b>
	BANGAMWABO Emmanuel	KAMBARI Benitha	IRADUKUNDA Jeremie	