

Environ Tech Laboratories

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PPCB Approved/ OHSAS 45001:2018

Plot No.62, Janta Industrial Estate,
Airport Road, Sector 82, S.A.S. Nagar
(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

Dispatch No: ETL/DSP/2019/ 191632

Date: 20/12/2019
Page 1 of 1

TEST REPORT

To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AF	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-1
Sample Code Given by Customer	Nil	Quantity	2 litre
Sampling Location	Saila khurd	Date of sampling	13.12.2019
Sample Collected By	Lab Person	Date of sample receipt	16.12.2019
Sampling Procedure	As per SOP	Sample I.D.	ETL/32/2019-20/G/2005AF
		Date of test	16.12.2019 - 20.12.2019

S.No.	Parameters	Results	Test Method
1.	pH	7.41	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H ⁺ B
2.	Conductivity micro mhos/cm at 25 ^o C	680	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	408	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l ,Max	335	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	36	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	8.5	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ ⁻² E
7.	Calcium (as Ca) mg/L	88	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	15.6	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	284	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	50	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	4.7	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	1.29	By Calculation
13.	RSC	1.01	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

Note:

ND: Not detectable

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- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Checked By)

End of Report

(Authorized Signatory)

RAMESHWAR KUMAR
Technical Manager
Environ Tech Laboratories

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TEST REPORT

To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AG	Report Date	20.12.2019
		Type of sample	Piezometer Water-2
Your Ref. No.	Nil	Quantity	2 litre
		Date of sampling	13.12.2019
Sample Code Given by Customer	Nil	Date of sample receipt	16.12.2019
Sampling Location	Rampur	Sample I.D.	ETL/32/2019-20/G/2005AG
Sample Collected By	Lab Person	Date of test	16.12.2019 - 20.12.2019
Sampling Procedure	As per SOP		

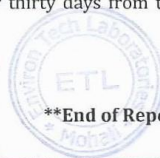
S.No.	Parameters	Results	Test Method
1.	pH	7.45	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H+ B
2.	Conductivity micro mhos/cm at 25 ^o C	678	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	412	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l ,Max	338	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	36	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	7.8	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ -2 E
7.	Calcium (as Ca) mg/L	78	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	26.1	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	302	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	48	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	5.4	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	1.20	By Calculation
13.	RSC	0.71	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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(Checked By)



****End of Report****

Rameshwar Kumar
(Authorized Signatory)

RAMESHWAR KUMAR
Technical Manager
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TEST REPORT

To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AH	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-3
Sample Code Given by Customer	Nil	Quantity	2 litre
Sampling Location	Bhajal	Date of sampling	13.12.2019
Sample Collected By	Lab Person	Date of sample receipt	16.12.2019
Sampling Procedure	As per SOP	Sample I.D.	ETL/32/2019-20/G/2005AH
		Date of test	16.12.2019 - 20.12.2019

S.No.	Parameters	Results	Test Method
1.	pH	7.92	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H+ B
2.	Conductivity micro mhos/cm at 25°C	532	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	349	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l ,Max	286	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	07	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	1.5	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ -2 E
7.	Calcium (as Ca) mg/L	54	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	18.8	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	212	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	42	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	4.5	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	1.26	By Calculation
13.	RSC	1.48	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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ND: Not detectable

(Checked By)

End of Report

(Authorized Signatory)

Technical Manager
Environ Tech Laboratories

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Page 1 of 1

TEST REPORT

To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AI	Report Date	20.12.2019
		Type of sample	Piezometer Water-4
Your Ref. No.	Nil	Quantity	2 litre
		Date of sampling	13.12.2019
Sample Code Given by Customer	Nil	Date of sample receipt	16.12.2019
Sampling Location	Pathlawa	Sample I.D.	ETL/32/2019-20/G/2005AI
Sample Collected By	Lab Person	Date of test	16.12.2019 - 20.12.2019
Sampling Procedure	As per SOP		

S.No.	Parameters	Results	Test Method
1.	pH	7.95	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H+B
2.	Conductivity micro mhos/cm at 25°C	544	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	361	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l ,Max	296	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	06	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	2.5	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ -2 E
7.	Calcium (as Ca) mg/L	56	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	19.5	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	220	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	42	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	5.8	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	1.24	By Calculation
13.	RSC	1.52	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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End of Report

(Authorized Signatory)

RAMESHWAR KUMAR
Technical Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission

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Saila Khurd, Distt Hoshiarpur Punjab

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Date: 20/12/2019
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Report No.	ETL/44/2019-20/G/192005AJ	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-5
Sample Code Given by Customer	Nil	Quantity	2 litre
Sampling Location	Gujrpur	Date of sampling	13.12.2019
Sample Collected By	Lab Person	Date of sample receipt	16.12.2019
Sampling Procedure	As per SOP	Sample I.D.	ETL/32/2019-20/G/2005AJ
		Date of test	16.12.2019 - 20.12.2019

S.No.	Parameters	Results	Test Method
1.	pH	7.41	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H+ B
2.	Conductivity micro mhos/cm at 25°C	640	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	435	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l,Max	357	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	12	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	06	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ ⁻² E
7.	Calcium (as Ca) mg/L	54	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	18.3	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	210	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	82	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	5.7	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	2.46	By Calculation
13.	RSC	2.93	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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(Checked By)

End of Report

(Authorized Signatory)

RAMESHWAR KUMAR
Technical Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission

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Date: 20/12/2019
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TEST REPORT

To
M/s Kwantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AK	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-6
Sample Code Given by Customer	Nil	Quantity	2 litre
		Date of sampling	13.12.2019
Sampling Location	Suni	Date of sample receipt	16.12.2019
		Sample I.D.	ETL/32/2019-20/G/2005AK
Sample Collected By	Lab Person	Date of test	16.12.2019 - 20.12.2019
Sampling Procedure	As per SOP		

S.No.	Parameters	Results	Test Method
1.	pH	7.61	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H+B
2.	Conductivity micro mhos/cm at 25°C	668	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	439	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l,Max	360	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	20	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	6.8	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ ⁻² E
7.	Calcium (as Ca) mg/L	54	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	34.3	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	276	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	70	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	5.5	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	1.83	By Calculation
13.	RSC	1.67	By Calculation

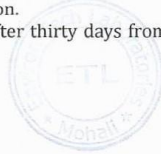
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ND: Not detectable

(Checked By)



Rameshwar Kumar
(Authorized Signatory)
RAMESHWAR KUMAR
Technical Manager

End of Report

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission
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To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AL	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-7
Sample Code Given by Customer	Nil	Quantity	2 litre
Sampling Location	Majara Dingrian	Date of sampling	13.12.2019
Sample Collected By	Lab Person	Date of sample receipt	16.12.2019
Sampling Procedure	As per SOP	Sample I.D.	ETL/32/2019-20/G/2005AL
		Date of test	16.12.2019 - 20.12.2019

S.No.	Parameters	Results	Test Method
1.	pH	7.41	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H+B
2.	Conductivity micro mhos/cm at 25°C	653	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	452	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l ,Max	370	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	10	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	5.8	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ -2E
7.	Calcium (as Ca) mg/L	50	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	20	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	208	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	93.5	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	06	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	2.84	By Calculation
13.	RSC	3.25	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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ND: Not detectable

(Checked By)

(Authorized Signatory)

End of Report

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission
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GSTIN : 03BPEPS9693P1ZV

PAN No. BPEPS9693P

Date: 20/12/2019

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TEST REPORT

To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AM	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-8
Sample Code Given by Customer	Nil	Quantity	2 litre
		Date of sampling	13.12.2019
Sampling Location	Pensra	Date of sample receipt	16.12.2019
		Sample I.D.	ETL/32/2019-20/G/2005AM
Sample Collected By	Lab Person	Date of test	16.12.2019 - 20.12.2019
Sampling Procedure	As per SOP		

S.No.	Parameters	Results	Test Method
1.	pH	7.41	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H*B
2.	Conductivity micro mhos/cm at 25 ^o C	653	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	439	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l,Max	360	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	10	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	5.8	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ - ² E
7.	Calcium (as Ca) mg/L	50	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	23	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	218	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	91	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	06	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	2.68	By Calculation
13.	RSC	2.84	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Checked By)

End of Report

(Authorized Signatory)

RAJESHWAR KUMAR
Technical Manager

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission

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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

Dispatch No: ETL/DSP/2019/ 191632

Date: 20/12/2019

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TEST REPORT

To
M/s Kwantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AN	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-9
Sample Code Given by Customer	Nil	Quantity	2 litre
		Date of sampling	13.12.2019
Sampling Location	Saila Kalan	Date of sample receipt	16.12.2019
		Sample I.D.	ETL/32/2019-20/G/2005AN
Sample Collected By	Lab Person	Date of test	16.12.2019 - 20.12.2019
Sampling Procedure	As per SOP		

S.No.	Parameters	Results	Test Method
1.	pH	7.45	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H ⁺ B
2.	Conductivity micro mhos/cm at 25 ^o C	666	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	452	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l, Max	371	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	12	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	12	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ - ² E
7.	Calcium (as Ca) mg/L	58	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	17.8	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	218	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	92	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	06	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	2.71	By Calculation
13.	RSC	3.05	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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ND: Not detectable

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End of Report

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission

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PAN No. BPEPS9693P

Dispatch No: ETL/DSP/2019/191632

Date: 20/12/2019

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TEST REPORT

To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AO	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-10
Sample Code Given by Customer	Nil	Quantity	2 litre
Sampling Location	Tutu Mazra	Date of sampling	13.12.2019
Sample Collected By	Lab Person	Date of sample receipt	16.12.2019
Sampling Procedure	As per SOP	Sample I.D.	ETL/32/2019-20/G/2005AO
		Date of test	16.12.2019 - 20.12.2019

S.No.	Parameters	Results	Test Method
1.	pH	7.41	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H ⁺ B
2.	Conductivity micro mhos/cm at 25 ^o C	653	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	439	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l ,Max	360	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	10	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	05	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ ⁻² E
7.	Calcium (as Ca) mg/L	58	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	20	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	229	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	102	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	6.6	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	2.93	By Calculation
13.	RSC	2.62	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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ND: Not detectable

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End of Report

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Dispatch No: ETL/DSP/2019/191632

Date: 20/12/2019

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TEST REPORT

To
M/s Kwantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AP	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-11
Sample Code Given by Customer	Nil	Quantity	2 litre
		Date of sampling	13.12.2019
Sampling Location	Gandhowal	Date of sample receipt	16.12.2019
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2019-20/G/2005AP
Sampling Procedure	As per SOP	Date of test	16.12.2019 - 20.12.2019

S.No.	Parameters	Results	Test Method
1.	pH	7.62	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H+ B
2.	Conductivity micro mhos/cm at 25 ^o C	652	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	426	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l,Max	349	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	20	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	125	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ -2 E
7.	Calcium (as Ca) mg/L	56	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	26.3	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	248	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	84	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	06	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	2.32	By Calculation
13.	RSC	2.02	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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ND: Not detectable

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End of Report

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Dispatch No: ETL/DSP/2019/ 191632

Date: 20/12/2019

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TEST REPORT

To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AQ	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-12
Sample Code Given by Customer	Nil	Quantity	2 litre
Sampling Location	Nariala	Date of sampling	13.12.2019
Sample Collected By	Lab Person	Date of sample receipt	16.12.2019
Sampling Procedure	As per SOP	Sample I.D.	ETL/32/2019-20/G/2005AQ
		Date of test	16.12.2019 - 20.12.2019

S.No.	Parameters	Results	Test Method
1.	pH	7.43	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H* B
2.	Conductivity micro mhos/cm at 25 ^o C	653	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₂) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	439	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l ,Max	360	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	14	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	5.1	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ -2 E
7.	Calcium (as Ca) mg/L	50	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	18	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	198	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	104	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	6.7	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	3.22	By Calculation
13.	RSC	3.24	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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ND: Not detectable

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End of Report

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission

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TEST REPORT

To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AR	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-13
Sample Code Given by Customer	Nil	Quantity	2 litre
		Date of sampling	13.12.2019
Sampling Location	Inside Factory	Date of sample receipt	16.12.2019
		Sample I.D.	ETL/32/2019-20/G/2005AR
Sample Collected By	Lab Person	Date of test	16.12.2019 - 20.12.2019
Sampling Procedure	As per SOP		

S.No.	Parameters	Results	Test Method
1.	pH	7.50	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H ⁺ B
2.	Conductivity micro mhos/cm at 25 ^o C	809	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	380	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l ,Max	312	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	80	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	12	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ ⁻² E
7.	Calcium (as Ca) mg/L	78	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	19.5	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	275	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	75	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	7.5	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	1.97	By Calculation
13.	RSC	0.74	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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(Checked By)

End of Report

(Authorized Signatory)

RAMESHWAR KUMAR
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Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission

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Date: 20/12/2019

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TEST REPORT

To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AS	Report Date	20.12.2019
		Type of sample	Piezometer Water-14
Your Ref. No.	Nil	Quantity	2 litre
		Date of sampling	13.12.2019
Sample Code Given by Customer	Nil	Date of sample receipt	16.12.2019
Sampling Location	Inside Factory	Sample I.D.	ETL/32/2019-20/G/2005AS
Sample Collected By	Lab Person	Date of test	16.12.2019 - 20.12.2019
Sampling Procedure	As per SOP		

S.No.	Parameters	Results	Test Method
1.	pH	7.46	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H ⁺ B
2.	Conductivity micro mhos/cm at 25 ^o C	890	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	415	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l,Max	340	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	80	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	13.5	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ - ² E
7.	Calcium (as Ca) mg/L	88	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	24.4	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	320	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	76	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	7.5	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	1.85	By Calculation
13.	RSC	0.41	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

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End of Report

ND: Not detectable

(Authorized Signatory)

RAMESHWAR KUMAR
Technical Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission

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GSTIN : 03BPEPS9693P1ZV

PAN No. BPEPS9693P

Date: 20/12/2019

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TEST REPORT

To
M/s Kuantum Papers Ltd.,
Saila Khurd, Distt Hoshiarpur Punjab

Report No.	ETL/44/2019-20/G/192005AT	Report Date	20.12.2019
Your Ref. No.	Nil	Type of sample	Piezometer Water-15
Sample Code Given by Customer	Nil	Quantity	2 litre
		Date of sampling	13.12.2019
Sampling Location	Inside Factory	Date of sample receipt	16.12.2019
		Sample I.D.	ETL/32/2019-20/G/2005AT
Sample Collected By	Lab Person	Date of test	16.12.2019 - 20.12.2019
Sampling Procedure	As per SOP		

S.No.	Parameters	Results	Test Method
1.	pH	7.55	IS: 3025(Part - 11)2002, Reaff.2017 APHA 23 rd Edition 2017-4500 H+B
2.	Conductivity micro mhos/cm at 25°C	890	IS: 3025(Part - 14):2002, APHA 23 rd Edition 2017
3.	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
3.	Bicarbonate(asHCO ₃) mg/L	412	IS: 3025 (Part -51)2001, APHA 23 rd Edition 2017
4.	Alkalinity (as CaCO ₃) mg/l,Max	338	IS: 3025 (Part -23) 2003, Reaff. 2014. APHA 23 rd Edition 2017-2320 B
5.	Chloride(as Cl),mg/L	82	IS: 3025 (Part - 32)2003, Reaff.2014 APHA 23 rd Edition 2017-4500-Cl B
6.	Sulphate(asSO ₄)mg/L	13.5	IS: 3025(Part - 24)2003, Reaff.2014 APHA 23 rd Edition 2017-4500 SO ₄ ⁻² E
7.	Calcium (as Ca) mg/L	88	IS:3025 (Part 40)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 - Ca B
8.	Magnesium (as Mg) mg/L	15.9	IS: 3025(Part - 46)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-Mg B
9.	Total Hardness (asCaCO ₃) mg/L	285	IS: 3025(Part - 21)2009, Reaff.2014 APHA 23 rd Edition 2017-2340 C
10.	Sodium (as Na) mg/L	78	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500 -Na B
11.	Potassium (as K) mg/L	7.5	IS: 3025(Part -45)2003, Reaff.2014 APHA 23 rd Edition 2017-3500-K B
12.	SAR	2.00	By Calculation
13.	RSC	1.05	By Calculation

As per irrigation water classification, the analysis result indicates that water is fit for irrigation purpose.

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Checked By)

End of Report

ND: Not detectable

(Authorized Signatory)

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NOT VALID FOR LEGAL PURPOSES