

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960 MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9801:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Date of Registration: 21.04.2022
Date of Report: 08.05.2022

## AMBIENT AIR QUALITY MONITORING REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P)

Date of Monitoring Date of start of testing Date of end of testing

22.04.2022 27.04.2022

Duration of sampling

: 08.05.2022 : 24 Hrs.

Type of Industry GPS Coordinates of : Cement Industry : 24°21'21.3"N

the Location Ambient Temperature

79°57′03.9″E

Name of Location

: 39.4°C

Kakra -Panna Mines, Village: Kakra

Near house of Vishnu Kant S/o Shri Badri Prasad, Post: Kamtana, Tehsil: Amanganj,

Dist.: Panna (M.P.)

Parameter required

: PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>3</sub>, CO

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol	
Particulate Matter (PM10)	50.6 μg / m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)	
Particulate Matter (PM2.5)	29.3 μg / m <sup>3</sup>	60 μg / m <sup>3</sup>	IS 5182 (Part 24)	
Sulphur Dioxide (SO <sub>2</sub> )	6.8 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 2)	
Oxide Of Nitrogen (NO <sub>X</sub> )	10.3 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 6)	
Carbon Monoxide (CO)	687 µg/m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/13	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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MoEF&CC RECOGNIZED LABORATORY
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ISO-3001:2015 CERTIFIED LABORATORY
ISO-45001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Comple ID No. OCCULA O MARKA LANGE	
Sample ID No.: SCS/AAQ/20220421/46	Date of Registration: 21.04.2022
Report No. SCS/JKCL/AAQ/20220421/46	
	Date of Report: 08.05.2022

## AMBIENT AIR QUALITY MONITORING REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD...

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P)

Date of Monitoring Date of start of testing Date of end of testing

22.04.2022 27.04.2022

Duration of sampling Type of Industry

08.05.2022 24 Hrs.

GPS Coordinates of

Cement Industry 24°19'16.4"N

the Location Ambient Temperature

79°57′36.3″E : 39.8°C

Name of Location

Near house of Ratan Singh S/o Shri Sunder Singh, Village: Harduaken, Post: Purania,

Tehsil: Amanganj Dist.: Panna (M.P.)

Parameter required

: PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	45.8 μg / m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	$27.3  \mu g  /  m^3$	60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	$6.0  \mu g  /  m^3$	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>X</sub> )	$7.8  \mu g  /  m^3$	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	573 μg / m <sup>3</sup>	2,000 μg / m <sup>3</sup>	SCS/SOP/AAQ/13

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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TC-6960 MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-3001:2015 CERTIFIED LABORATORY
ISO-45001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20220421/47	Date of Paristration 21 04 2022
	Date of Registration: 21.04.2022
Report No. SCS/JKCL/AAQ/20220421/47	Date of Report: 08.05.2022

## AMBIENT AIR QUALITY MONITORING REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P)

Date of Monitoring Date of start of testing 22.04.2022 27.04.2022

Date of end of testing Duration of sampling

08.05.2022 24 Hrs.

Type of Industry GPS Coordinates of

Cement Industry : 24°19'41.4"N

the Location Ambient Temperature

79°56′52.3"E 39.6°C

Name of Location

Near house of Pratap Lodi S/o Shri Babu Lal Lodi, Village: Purwa, Post: Purania,

Parameter required

Tehsil: Amanganj, Dist.: Panna (M.P) : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	52.6 μg / m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	$31.1  \mu g / m^3$	60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	6.9 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>X</sub> )	$9.7  \mu g  /  m^3$	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	687 μg / m <sup>3</sup>	2,000 μg / m <sup>3</sup>	SCS/SOP/AAQ/13

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

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Authorised Signatory



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MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

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Sample ID No.: SCS/AAQ/20220421/48	Date of Registration: 21.04.2022
Report No. SCS/JKCL/AAQ/20220421/48	
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Date of Report: 08.05.2022

## AMBIENT AIR QUALITY MONITORING REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P)

Date of Monitoring Date of start of testing : 27.04.2022

22.04.2022

Date of end of testing

: 08.05.2022

Duration of sampling Type of Industry

: 24 Hrs. : Cement Industry

GPS Coordinates of the Location

24°18'59.9"N 79°58′23.2″E

Ambient Temperature

: 40.2°C

Name of Location

: Near house of Ramesh Chand Yadav S/o Shri Kellie Yadav, Village: Sotipura, Tehsil: Amanganj, Dist.: Panna (M.P.)

Parameter required

: PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	56.0 μg / m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	34.2 μg / m <sup>3</sup>	60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	7.2 μg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>X</sub> )	12.0 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	687 μg / m <sup>3</sup>	2,000 μg / m <sup>3</sup>	SCS/SOP/AAQ/13

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory



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MOEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/73	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/73(1/4)	
	Date of Report: 08.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt
Date of start of testing
Date of end of testing

24.04.2022 27.04.2022 08.05.2022

GPS Coordinates of the :

24°18'19.8"N 79°53'38.5"E

Details of Sample

: Kakra Mines (Govt. Hand Pump near house of Laxman Singh S/o Shri Beaver

Singh, Village & Post: Maharajganj, Tehsil: Simariya, Dist.: Panna

Sample collected by

: SCS Representative

	Results	Results IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and I	Physical Parameter	S		
Temperature	29.5 °C			APHA (23rd Edition) 2550B
Color, Hazen Units	<1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	
Taste	Agreeable	Agreeable	Agreeable	
pH	6.82	6.5 - 8.5	No Relaxation	APHA (23rd Edition) 4500- H +
Turbidity, NTU	0.23	1	5	APHA (23rd Edition) 2130
Total Solids	1,168.00 Mg/L	-	_	APHA (23rd Edition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-		APHA (23rd Edition) 2540 D
Total Dissolved Solids	1,165.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	1,750 µS/cm		-	APHA (23rd Edition) 2510B
Table 2: General Parameter	rs Concerning Sub	stances Undesirab	le in Excess Amounts	
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia (as total ammonia-N)	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
Calcium as Ca	134.40 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	41.98 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rd Edition) 4500 Cl- B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	
Fluoride as F	1.10 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.06 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B
Magnesium as Mg	52,49 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	

Per pro SCS Enviro Services Pvt. Ltd.

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TC-6960 MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/73	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/73(2/4)	
()	Date of Report: 08.05,2022

## TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

24.04.2022 : 27.04.2022

Date of end of testing GPS Coordinates of the Location

: 08.05.2022 : 24°18'19.8"N 79°53'38.5"E

Details of Sample

: Kakra Mines (Govt. Hand Pump near house of Laxman Singh S/o Shri Beaver Singh, Village & Post: Maharajganj, Tehsil: Simariya, Dist.: Panna

Sample collected by

: SCS Representative

Parameter	Results	Results IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO <sub>3</sub>	7.19 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO <sub>3</sub> -B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L			APHA (23rd Edition) 4500 NO2
Oil & Grease	< 0.2 Mg/L	9		APHA (23rd Edition) 5520B
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B
Sulphate as SO <sub>4</sub>	529.70 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO <sub>3</sub>	264.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO <sub>3</sub>	552.00 Mg/L	200 Mg/L	600 Mg/L	
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	
Table 3: Parameters conta	ining Toxic Substan	ces		( See Section ) STITE
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	125.40 Mg/L			APHA (23rd Edition) 3500 B
Potassium as K	8.53 Mg/L	4		APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

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Sample ID No.: SCS/W/20220421/73	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/73(3/4)	
1	Date of Report: 08.05.2022

## TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt
Date of start of testing

24.04.2022

Date of start of testing

Date of end of testing

GPS Coordinates of the

: 27.04.2022 : 08.05.2022

GPS Coordinat Location 24°18'19.8"N 79°53'38.5"E

Details of Sample

Kakra Mines (Govt. Hand Pump near house of Laxman Singh S/o Shri Beaver

Singh, Village & Post: Maharajganj, Tehsil: Simariya, Dist.: Panna

Sample collected by

SCS Representative

	Results	IS - 10500:2012		Protocol	
Parameter		Requirement (Acceptable in absence of Limit)  Requirement   Permissible Limit in absence of alternate source			
Pesticides Residues					
Alachlor	< 0.10 μg/L		20 μg / L	USEPA Method No. 525.2 & 507	
Atrazine	< 0.10 µg/L		2 μg/L	USEPA Method No. 525.2 & 8141A	
Aldrin / Dieldrin	< 0.03 µg / L		0.03 μg / L	USEPA Method No. 508	
α-НСН	< 0.01 µg/L		0.01 μg / L	USEPA Method No. 508	
β-НСН	< 0.04 µg/L		0.04 μg / L	USEPA Method No. 508	
Butachlor	< 10.0 µg/L		125 µg / L	USEPA Method No. 525.2 & 8141 A	
Chlorphyrifos	< 1.0 µg / L	30 μg / L		USEPA Method No. 525.2 & 8141 A	
δ-НСН	< 0.04 μg / L	0.04 μg / L		USEPA Method No. 508	
2,4 Dichlorophenoxyacetic acid	<1.0 μg/L	30 μg / L		USEPA Method No. 515.1	
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 μg / L	1 μg/L		USEPA Method No. 508	
Endosulphane (α, β and Sulphate)	< 0.10 µg/L		0.4 μg / L	USEPA Method No. 508	
Ethion	< 0.10 µg / L		3 μg / L	USEPA Method No. 1657A	
у-НСН	< 0.10 µg / L		2 μg / L	USEPA Method No. 508	
Isoproturon	< 1.0 μg / L		9 μg / L	USEPA Method No. 532	
Malathion	< 10.0 μg / L		190 μg / L	USEPA Method No. 8141A	
Methyl Parathion	< 0.10 μg / L		0.3 μg / L	USEPA Method No. 8141A	
Monocrotophos	< 0.10 µg / L			USEPA Method No. 8141A	
Phorate	< 0.10 µg / L			USEPA Method No. 8141A	
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L			APHA (23rd Edition) 6440	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/73	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/73(4/4)	Date of Report: 08.05.2022
	Date of Report: 08.05.2022

## TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

: 24.04.2022

Date of end of testing

: 27.04.2022 : 08.05.2022

GPS Coordinates of the : 24°18'19.8"N Location

79°53'38.5"E

Details of Sample

: Kakra Mines (Govt. Hand Pump near house of Laxman Singh S/o Shri Beaver

Singh, Village & Post: Maharajganj, Tehsil: Simariya, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS - 10500:2012		
Parameter  Bacteriological Quality of	£ Water	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	397 00000
Total Coliform	8 CFU	Shall not be	detectable in any 100ml sample	IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5758(E) Dated 15.11.2018 Valid upto 41.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-44001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/100	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/100(1/4)	Date of Report: 14,05,2022
	Date of Report: 14,

## TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

24.04.2022 27.04.2022

Date of end of testing

14.05.2022 24°16'00.6"N

GPS Coordinates of the : Location

79°56'10.7"E

Details of Sample

Water sample collected from Borewell near house of Bablu Chaudhary S/o Shri

Nandi Chaudhary, Village & Post: Umri, Tehsil: Simariya, Dist.: Panna

Sample collected by

SCS Representative

	Results	IS - 10500:2012		Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Table 1: Organoleptic and	d Physical Parameter	S			
Temperature	31.2°C	-	-	APHA (23rdEdition) 2550B	
Color, Hazen Units	<1	5	15	APHA (23rdEdition) 2120B	
Odour	Agreeable	Agrecable	Agreeable		
Taste	Agreeable	Agreeable	Agreeable	3 /	
pH	6.64	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H +	
Turbidity, NTU	0.17	1	5	APHA (23rdEdition) 2130	
Total Solids	548.00 Mg/L	-		APHA (23rdEdition) 2540 B	
Total Suspended Solids	< 5.00 Mg/L		-	APHA (23rdEdition) 2540 D	
Total Dissolved Solids	548.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C	
Electrical Conductivity	784 µS/cm	-		APHA (23rd Edition) 2510B	
Table 2: General Parame	ters Concerning Sub	stances Undesirab	le in Excess Amounts	, , , , , , , , , , , , , , , , , , , ,	
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rdEdition) 3111D	
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)	
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B	
Calcium as Ca	72.00 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B	
Chloride as Cl	45.98 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rdEdition) 4500 Cl <sup>-</sup> B	
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L		
Fluoride as F	0.96 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rdEdition) 4500 F D	
Iron as Fe	0.03 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B	
Magnesium as Mg	27.22 Mg/L	30 Mg/L	100 Mg/L	APHA (23rdEdition) 3500 Mg B	
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rdEdition) 3111B	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory JAIPUR NO SERVICES

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- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.



7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Date of Registration: 21.04.2022
Date of Report: 14.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing : 24.04.2022 : 27.04.2022

Date of end of testing : GPS Coordinates of the :

14.05.2022 24°16'00.6"N

Location Details of Sample 79°56'10.7"E
: Water sample collected from Borewell near house of Bablu Chaudhary S/o Shri

Nandi Chaudhary, Village & Post: Umri, Tehsil: Simariya, Dist.: Panna

Sample collected by

: SCS Representative

Parameter	Results	IS - 10500:2012		Protocol	
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Nitrate as NO <sub>3</sub>	24,67 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> ·B	
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L			APHA (23rdEdition) 4500 NO2	
Oil & Grease	< 0.2 Mg/L	-		APHA (23rdEdition) 5520B	
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rdEdition) 5530C	
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3114B&C	
Sulphate as SO <sub>4</sub>	53.11 Mg/L	200 Mg/L	400 Mg/L	APHA (23rdEdition) 4500 E	
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 E	
Total Alkalinity as CaCO <sub>3</sub>	284.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320	
Total Hardness as CaCO <sub>3</sub>	292.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2340 C	
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rdEdition) 3111B	
Table 3: Parameters containing	Toxic Substance	s		, , , , , , , , , , , , , , , , , , , ,	
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 CN C & E	
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B	
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rdEdition) 3114B	
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rdEdition) 4500 PC	
Sodium as Na	37.12 Mg/L		-	APHA (23rdEdition) 3500 B	
Potassium as K	2.66 Mg/L	_	-	APHA (23rdEdition) 3500 B	

Per pro SCS Enviro Services Pvt. Ltd.,

Jeleuf L Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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All disputes are subjected to Jaipur jurisdiction.

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Date of Registration: 21.04.2022
Date of Report: 14.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing : 24.04.2022

Date of end of testing :
GPS Coordinates of the :

: 27.04.2022 : 14.05.2022

Location

24°16'00.6"N 79°56'10.7"E

Details of Sample

Water sample collected from Borewell near house of Bablu Chaudhary S/o Shri

Nandi Chaudhary, Village & Post: Umri, Tehsil: Simariya, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS - 10500:2012		Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Pesticides Residues					
Alachlor	< 0.10 µg / L	8	20μg / L	USEPA Method No. 525.2 & 507	
Atrazine	< 0.10 µg / L		2μg / L	USEPA Method No. 525.2 & 8141 A	
Aldrin / Dieldrin	< 0.03 µg / L		0.03 μg / L	USEPA Method No. 508	
α-НСН	< 0.01 µg / L		0.01 µg / L	USEPA Method No. 508	
β-НСН	< 0.04 µg / L		0.04µg / L	USEPA Method No. 508	
Butachlor	< 10.0 µg / L		125μg / L	USEPA Method No. 525.2 & 8141 A	
Chlorphyrifos	< 1.0 μg / L		30μg / L	USEPA Method No. 525.2 & 8141 A	
δ-НСН	< 0.04 µg / L	0.04µg / L		USEPA Method No. 508	
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L		30 μg / L	USEPA Method No. 515.1	
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 μg / L	lµg/L		USEPA Method No. 508	
Endosulphane (α, β and Sulphate)	< 0.10 μg / L		0.4µg/L	USEPA Method No. 508	
Ethion	< 0.10 µg / L		3µg/L	USEPA Method No. 1657A	
ү-НСН	< 0.10 µg / L		2μg / L	USEPA Method No. 508	
Isoproturon	< 1.0 µg / L		9μg / L	USEPA Method No. 532	
Malathion	< 10.0 µg / L		190µg/L	USEPA Method No. 8141 A	
Methyl Parathion	< 0.10 µg / L		0.3µg / L	USEPA Method No. 8141 A	
Monocrotophos	< 0.10 μg / L		lµg/L	USEPA Method No. 8141A	
Phorate	< 0.10 µg / L		2μg / L	USEPA Method No. 8141A	
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg / L	0.0001 Mg/		APHA (23rdEdition) 6440	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

par JAIPUR Spratory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/100	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/100(4/4)	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

24.04.2022 27.04.2022

Date of end of testing GPS Coordinates of the : 24°16'00.6"N

14.05.2022

Location

79°56'10.7"E

Details of Sample

Water sample collected from Borewell near house of Bablu Chaudhary S/o Shri

Nandi Chaudhary, Village & Post: Umri, Tehsil: Simariya, Dist.: Panna

Sample collected by : SCS Representative

	Results	IS-	Protocol	
Parameter		Requirement (Acceptable Limit)  Permissible Limit in absence of alternate source		
Bacteriological Quality of	of Water			
Total Coliform	11 CFU	Shall not be	detectable in any 100ml sample	IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager).

Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

McEF&CC RECOGNIZED LABORATORY
Vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-4001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/88	Date of Registration: 21.04,2022
Report No. SCS/JKCL/W/20220421/88(1/4)	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt : Date of start of testing

25.04.2022 27.04.2022

Date of end of testing GPS Coordinates of :

14.05.2022 24°20'30.7"N

the Location

79°56'14.1"E

Details of Sample

Water sample collected from Govt. Handpump near House of Brajesh Sharma S/o Shri Santosh Sharma, Village: Saptai, Post: Kamtana, Tehsil: Amanganj, Dist.: Panna

Sample collected by

	Results	IS - 1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic an	d Physical Parameter	's		
Temperature	29.6°C		-	APHA (23rdEdition) 2550B
Color, Hazen Units	< ]	5	15	APHA (23rdEdition) 2120B
Odour	Agreeable	Agrecable	Agreeable	
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	7.87	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H+
Turbidity, NTU	1.54	1	5	APHA (23rdEdition) 2130
Total Solids	1,698.00 Mg/L	-		APHA (23rdEdition) 2540 B
Total Suspended Solids	8.00 Mg/L	-	-	APHA (23rdEdition) 2540 D
Total Dissolved Solids	1,690.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C
Electrical Conductivity	2,540 µS/cm	-		APHA (23rd Edition) 2510B
Table 2: General Parame	ters Concerning Sub	stances Undesirab	le in Excess Amounts	3
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rdEdition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B
Calcium as Ca	164.80 Mg/L	75 Mg/L	200 Mg/L	
Chloride as Cl	227.93 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rdEdition) 4500 Cl B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rdEdition) 3111B
Fluoride as F	1.43 Mg/L	1.0 Mg/L	1.5 Mg/L	
Iron as Fe	0.10 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B
Magnesium as Mg	43.74 Mg/L		100 Mg/L	APHA (23rdEdition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L		0.3 Mg/L	APHA (23rdEdition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MOEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-450101:2018 CERTIFIED LABORATORY

C 1 TO ST COMPANY	
Sample ID No.: SCS/W/20220421/88	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/88(2/4)	
1	Date of Report: 14.05.2022

## TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt : Date of start of testing

25.04.2022 27.04.2022

Date of end of testing GPS Coordinates of the Location

14.05.2022 24°20'30.7"N 79°56'14.1"E

Details of Sample

Water sample collected from Govt. Handpump near House of Brajesh Sharma S/o Shri Santosh Sharma, Village: Saptai, Post: Kamtana, Tehsil: Amanganj, Dist.: Panna

SCS Representative

Sample collected by

***************************************	Results	IS - 1	10500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO <sub>3</sub>	31.09 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> ·B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L		-	APHA (23rdEdition) 4500 NO2
Oil & Grease	< 0.2 Mg/L	-		APHA (23rdEdition) 5520B
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rdEdition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3114B&C
Sulphate as SO <sub>4</sub>	362.20 Mg/L	200 Mg/L	400 Mg/L	APHA (23rdEdition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	
Total Alkalinity as CaCO <sub>3</sub>	572.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320
Total Hardness as CaCO <sub>3</sub>	592.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	
Table 3: Parameters containing	Toxic Substance			12 111 (25) (25) (25) (25)
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rdEdition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg / L	APHA (23rdEdition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Phosphate	< 0.50 Mg/L		, Totaxaden	APHA (23rdEdition) 4500 PC
Sodium as Na	278.93 Mg/L		-	APHA (23rdEdition) 3500 B
Potassium as K	6.57 Mg/L			APHA (23rdEdition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

2000ccef Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/88	Data of Pagistratics, 21 04 2022
Report No. SCS/JKCL/W/20220421/88(3/4)	Date of Registration: 21.04.2022
	Date of Report: 14.05.2022

## TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt : Date of start of testing : 25.04.2022 27.04.2022

Date of end of testing : GPS Coordinates of : the Location

14.05.2022 24°20'30.7"N 79°56'14.1"E

Details of Sample

Water sample collected from Govt. Handpump near House of Brajesh Sharma S/o Shri Santosh Sharma, Village: Saptai, Post: Kamtana, Tehsil: Amanganj, Dist.: Panna

Sample collected by

SCS Representative

	Results	IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L	20μg/L		USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg/L		2μg / L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg/L		0.03 μg/L	USEPA Method No. 508
α-НСН	< 0.01 µg/L		0.01 μg/L	USEPA Method No. 508
β-НСН	< 0.04 µg/L		0.04µg/L	USEPA Method No. 508
Butachlor	< 10.0 μg/L	125µg/L		USEPA Method No. 525.2 & 8141A
Chlorphyrifos	< 1.0 µg/L	30μg/L		USEPA Method No. 525.2 & 8141A
δ-НСН	< 0.04 µg/L	0.04µg/L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg/L	30 μg / L		USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 μg / L	lµg/L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4µg/L	USEPA Method No. 508
Ethion	< 0.10 µg / L		3μg/L	USEPA Method No. 1657A
ү-НСН	< 0.10 µg / L	6	2μg / L	USEPA Method No. 508
Isoproturon	< 1.0 µg/L	ii.	9μg / L	USEPA Method No. 532
Malathion	< 10.0 µg/L		190µg / L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L		0.3µg/L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L	60	lµg/L	USEPA Method No. 8141A
Phorate	< 0.10 µg / L		2μg/L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg / L	0.0001 Mg/		APHA (23rdEdition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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All disputes are subjected to Jaipur jurisdiction.

ERVIC

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

Sample ID No.: SCS/W/20220421/88		
Sample 1D No.: SCS/W/20220421/88	Date of Registration: 21.04.2022	
port No. SCS/JKCL/W/20220421/88(4/4)		
11/40220421/86(4/4)	Date of Report: 14.05.2022	

## TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt : Date of start of testing Date of end of testing

25.04.2022

27.04.2022 14.05.2022 24°20'30.7"N

GPS Coordinates of the Location Details of Sample

79°56'14.1"E

Sample collected by

Water sample collected from Govt. Handpump near House of Brajesh Sharma S/o Shri Santosh Sharma, Village: Saptai, Post: Kamtana, Tehsil: Amanganj, Dist.: Panna

SCS Representative

	Results	IS -	Protocol	
Parameter  Bacteriological Quality of	of Winton	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Total Coliform	12 CFU	Ch11 1	detectable in any 100ml sample	
E. Coli		Shall not be	IS 15185	
El Con	Absent	Shall not be	detectable in any 100ml sample	IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,

Preced Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA. JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/89	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/89(1/4)	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt

25.04.2022

Date of start of testing Date of end of testing

27.04.2022 14.05.2022

GPS Coordinates of the

24°22'54.2"N

Location Details of Sample 79°57'30.0"E

Water sample collected from Borewell near House of Rakesh Garg S/o Shri Prakash

Garg, Village & Post: Kamtana, Tehsil: Amanganj, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS - 1	0500:2012	Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Table 1: Organoleptic an	d Physical Parameter	s			
Temperature	30.2°C	-	-	APHA (23rdEdition) 2550B	
Color, Hazen Units	<1	5	15	APHA (23rdEdition) 2120B	
Odour	Agrecable	Agrecable	Agreeable	IS 3025 (Part 5)	
Taste	Agreeable	Agrecable	Agreeable	IS 3025 (Part 7)	
pН	7.95	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H +	
Turbidity, NTU	0.17	1	5	APHA (23rdEdition) 2130	
Total Solids	1,934.00 Mg/L			APHA (23rdEdition) 2540 B	
Total Suspended Solids	< 5.00 Mg/L			APHA (23rdEdition) 2540 D	
Total Dissolved Solids	1,930.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C	
Electrical Conductivity	2,860 µS/cm			APHA (23rd Edition) 2510B	
Table 2: General Parame	eters Concerning Sub	stances Undesirab	le in Excess Amounts		
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rdEdition) 3111D	
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)	
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B	
Calcium as Ca	171.20 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B	
Chloride as Cl	371.92 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rdEdition) 4500 Cl <sup>-</sup> B	
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rdEdition) 3111B	
Fluoride as F	1.39 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rdEdition) 4500 F D	
Iron as Fe	0.12 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B	
Magnesium as Mg	40.82 Mg/L	30 Mg/L	100 Mg/L	APHA (23rdEdition) 3500 Mg B	
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rdEdition) 3111B	

Per pro SCS Enviro Services Pvt. Ltd.,

20000 org Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISC-3001:2015 CERTIFIED LABORATORY ISC-4001:2015 CERTIFIED LABORATORY ISC-45001:2018 CERTIFIED LABORATORY

0 1 70 17	
Sample ID No.: SCS/W/20220421/89	Date of Registration: 21.04,2022
Report No. SCS/JKCL/W/20220421/89(2/4)	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing Date of end of testing GPS Coordinates of the : 25.04.2022 27.04.2022 14.05.2022

Location

24°22'54.2"N 79°57'30.0"E

Details of Sample

Water sample collected from Borewell near House of Rakesh Garg S/o Shri Prakash

Garg, Village & Post: Kamtana, Tehsil: Amanganj, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS - 1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO <sub>3</sub>	29.66 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> ·B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L		-1	APHA (23rdEdition) 4500 NO <sub>2</sub>
Oil & Grease	< 0.2 Mg/L		-	APHA (23rdEdition) 5520B
Phenolic Compounds as C6H5OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rdEdition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3114B&C
Sulphate as SO <sub>4</sub>	397.83 Mg/L	200 Mg/L	400 Mg/L	APHA (23rdEdition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 E
Total Alkalinity as CaCO <sub>3</sub>	548.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320
Total Hardness as CaCO <sub>3</sub>	596.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rdEdition) 3111B
Table 3: Parameters containing	Toxic Substances			The same (according 51111)
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rdEdition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rdEdition) 4500 PC
Sodium as Na	340.92 Mg/L	-	5 <u>u</u> .	APHA (23rdEdition) 3500 B
Potassium as K	28.68 Mg/L	-		APHA (23rdEdition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

(1)0000ec Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/89	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/89(3/4)	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022 27.04.2022

Date of end of testing GPS Coordinates of the Location

14.05.2022 24°22'54.2"N 79°57'30.0"E

Details of Sample

Water sample collected from Borewell near House of Rakesh Garg S/o Shri Prakash

Garg, Village & Post: Kamtana, Tehsil: Amanganj, Dist.: Panna

Sample collected by

SCS Representative

	Results	IS -	10500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 μg / L		20μg / L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2μg / L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	$< 0.03  \mu g / L$		0.03 µg/L	USEPA Method No. 508
α-НСН	< 0.01 µg / L		0.01 µg / L	USEPA Method No. 508
β-НСН	< 0.04 µg / L	6.	0.04µg / L	USEPA Method No. 508
Butachlor	< 10.0 µg / L			USEPA Method No. 525.2 & 8141A
Chlorphyrifos	< 1.0 µg / L	μg/L 30μg/L		USEPA Method No. 525.2 & 8141A
δ-НСН	< 0.04 µg / L	ig/L 0.04μg/L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg/L		30 μg / L	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 µg/L			USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg/I	0.4µg / L		USEPA Method No. 508
Ethion	< 0.10 µg/L		3µg/L	USEPA Method No. 1657A
ү-НСН	< 0.10 µg / L		2μg/L	USEPA Method No. 508
Isoproturon	< 1.0 µg/I		9μg/L	USEPA Method No. 532
Malathion	< 10.0 µg/L		190μg / L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / I			USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / I	4	lµg/L	USEPA Method No. 8141A
Phorate	< 0.10 µg/I	_	2µg/L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg / I	0.0001 Mg/	L No relaxation	APHA (23rdEdition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

Hoppose Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO :U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/89	Date of Registration: 21.04.2022
Panert No. CCC/TVCT AVISAGED 101/100/115	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/89(4/4)	Date of Report: 14.05.2022

## TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist. Panna (M.P.)

Date of Sample Receipt

25.04.2022

Date of start of testing Date of end of testing

27.04.2022 14.05.2022

GPS Coordinates of the : Location

24°22'54.2"N 79°57'30.0"E

Details of Sample

Water sample collected from Borewell near House of Rakesh Garg S/o Shri Prakash

Garg, Village & Post: Kamtana, Tehsil: Amanganj, Dist.: Panna

Sample collected by

SCS Representative

	Results	IS-	Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality of	of Water			
Total Coliform	20 CFU	Shall not be	detectable in any 100ml sample	IS 15185
E. Coli	Absent		detectable in any 100ml sample	IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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# SCS scs enviro services private limited



7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE. RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MOEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/90	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/90(1/4)	Date of Report: 14.05.2022

## TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

: 25.04.2022 : 27.04.2022

Date of end of testing GPS Coordinates of the :

14.05.2022 24°18'31.1"N 79°58'24.4"E

Location Details of Sample

Water sample collected from Govt Handpump near House of Giriraj Garg S/o Shri

Rajaram Garg, Village & Post: Puraina, Tehsil: Amanganj, Dist.: Panna

Sample collected by

SCS Representative

	Results	IS-1	0500:2012	Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Table 1: Organoleptic and	d Physical Parameter	S			
Temperature	31.1 °C	-	-	APHA (23rdEdition) 2550B	
Color, Hazen Units	<1	5	15	APHA (23rdEdition) 2120B	
Odour	Agreeable	Agreeable	Agreeable		
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)	
pH	6.85	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H +	
Turbidity, NTU	0.13	1	5		
Total Solids	790.00 Mg/L	2		APHA (23rdEdition) 2540 B	
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rdEdition) 2540 D	
Total Dissolved Solids	788.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C	
Electrical Conductivity	1,173 µS/cm			APHA (23rd Edition) 2510B	
Table 2: General Parame	ters Concerning Sub	stances Undesirab	le in Excess Amounts	i e e e e e e e e e e e e e e e e e e e	
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rdEdition) 3111D	
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation		
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B	
Calcium as Ca	92.80 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B	
Chloride as Cl	117.96 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rdEdition) 4500 Cl- B	
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rdEdition) 3111B	
Fluoride as F	0.60 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rdEdition) 4500 F D	
Iron as Fe	0.04 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B	
Magnesium as Mg	53.46 Mg/L		100 Mg/L	APHA (23rdEdition) 3500 Mg B	
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L		

Per pro SCS Enviro Services Pvt. Ltd.,

Decely Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/90	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/90(2/4)	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt

25.04.2022

Date of start of testing Date of end of testing

27.04.2022 14.05.2022

GPS Coordinates of the : Location

24°18'31.1"N 79°58'24.4"E

Details of Sample

Water sample collected from Govt Handpump near House of Giriraj Garg S/o Shri

Rajaram Garg, Village & Post: Puraina, Tehsil: Amanganj, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS-1	0500:2012	Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Nitrate as NO <sub>3</sub>	44.35 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> ·B	
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L		-	APHA (23rdEdition) 4500 NO2	
Oil & Grease	< 0.2 Mg/L	н.		APHA (23rdEdition) 5520B	
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L		
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation		
Sulphate as SO <sub>4</sub>	63.81 Mg/L	200 Mg/L	400 Mg/L		
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation		
Total Alkalinity as CaCO <sub>3</sub>	356.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320	
Total Hardness as CaCO <sub>3</sub>	452.00 Mg/L	200 Mg/L	600 Mg/L		
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rdEdition) 3111B	
Table 3: Parameters containing	Toxic Substances				
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation		
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation		
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B	
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	The state of the s	
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation		
Total Phosphate	< 0.50 Mg/L	-		APHA (23rdEdition) 4500 PC	
Sodium as Na	56.29 Mg/L	-		APHA (23rdEdition) 3500 B	
Potassium as K	3.70 Mg/L	-		APHA (23rdEdition) 3500 B	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/90	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/90(3/4)	Date of Report: 14,05,2022
	Date of Report, 14,05,2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD...

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt

25.04.2022

Date of start of testing Date of end of testing GPS Coordinates of the 27.04.2022 14.05.2022 24°18'31.1"N

Location

79°58'24.4"E

Details of Sample

Water sample collected from Govt Handpump near House of Giriraj Garg S/o Shri

Rajaram Garg, Village & Post: Puraina, Tehsil: Amanganj, Dist.: Panna

Sample collected by : SCS Representative

	Results	IS -	10500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L		20μg/L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2μg / L	USEPA Method No. 525.2 & 8141 A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 μg/L	USEPA Method No. 508
а-НСН	< 0.01 μg / L		0.01 µg/L	USEPA Method No. 508
β-НСН	< 0.04 µg / L	Z	0.04µg/L	USEPA Method No. 508
Butachlor	< 10.0 μg/L		125µg / L	USEPA Method No. 525.2 & 8141 A
Chlorphyrifos	< 1.0 µg / L			USEPA Method No. 525.2 & 8141 A
δ-НСН	< 0.04 µg / L	0.04μg/L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 μg / L		30 μg / L	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	<0.10 μg/L	lμg/L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg/L	0.4µg / L		USEPA Method No. 508
Ethion	< 0.10 µg/L		3μg/L	USEPA Method No. 1657A
у-НСН	< 0.10 µg/L		2μg/L	USEPA Method No. 508
Isoproturon	< 1.0 µg/L		9μg / L	USEPA Method No. 532
Malathion	<10.0 µg/L		190µg/L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg/L		0.3μg/L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg/L			USEPA Method No. 8141A
Phorate	< 0.10 µg/L		2μg/L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg/L	0.0001 Mg/		APHA (23rdEdition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/90	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/90(4/4)	
()	Date of Report: 14.05,2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022

Date of end of testing

: 27.04.2022 : 14.05.2022

GPS Coordinates of the Location

: 24°18'31.1"N 79°58'24.4"E

Details of Sample

Water sample collected from Govt Handpump near House of Giriraj Garg S/o Shri

Rajaram Garg, Village & Post: Puraina, Tehsil: Amanganj, Dist.: Panna

Sample collected by

: SCS Representative

422-19-20-00-0	Results	IS-	Protocol		
Parameter		Requirement (Acceptable Limit) Permissible Limit in absence of alternate source			
Bacteriological Quality o	f Water				
Total Coliform	7 CFU	Shall not be	detectable in any 100ml sample	IS 15185	
E. Coli	Absent	Shall not be	detectable in any 100ml sample	IS 15185	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE. RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960 MOEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-44001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/91	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/91(1/4)	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing Date of end of testing GPS Coordinates of the

25.04.2022 27.04.2022 14.05.2022

Location

24°21'18.5"N 80°00'06.3"E

Details of Sample

Water sample collected from Govt Handpump near Govt. School, Village & Post:

Pagra, Tehsil: Amanganj, Dist.: Panna

Sample collected by

	Results	IS-1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic an	d Physical Parameter	'S		
Temperature	29.3 ℃	-	-	APHA (23rdEdition) 2550B
Color, Hazen Units	< 1	5	15	APHA (23rdEdition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	
pH	8.11	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H +
Turbidity, NTU	0.78	1	5	APHA (23rdEdition) 2130
Total Solids	1,475.00 Mg/L	-	·	APHA (23rdEdition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rdEdition) 2540 D
Total Dissolved Solids	1,472.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C
Electrical Conductivity	2,120 µS/cm			APHA (23rd Edition) 2510B
Table 2: General Parame	eters Concerning Sub	stances Undesirab	le in Excess Amounts	
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rdEdition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B
Calcium as Ca	142.40 Mg/L		200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as CI	97.97 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rdEdition) 4500 Cl <sup>-</sup> B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rdEdition) 3111B
Fluoride as F	1,24 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rdEdition) 4500 F D
Iron as Fe	0.06 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B
Magnesium as Mg	45.68 Mg/L	30 Mg/L	100 Mg/L	APHA (23rdEdition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rdEdition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Delecer Dr. D. S. Parihar (Technical Manager) Authorised Signatory



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7. KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960

MoFF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/91	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/91(2/4)	
1	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing 25.04.2022 27.04.2022

Date of end of testing

14.05.2022

GPS Coordinates of the Location

24°21'18.5"N 80°00'06.3"E

Details of Sample

Water sample collected from Govt Handpump near Govt. School, Village & Post:

Pagra, Tehsil: Amanganj, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS - 1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO <sub>3</sub>	4.74 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> -B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L		-	APHA (23rdEdition) 4500 NO <sub>2</sub>
Oil & Grease	< 0.2 Mg/L	-	-	APHA (23rdEdition) 5520B
Phenolic Compounds as C6H5OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rdEdition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	
Sulphate as SO <sub>4</sub>	348.80 Mg/L	200 Mg/L	400 Mg/L	APHA (23rdEdition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 E
Total Alkalinity as CaCO <sub>3</sub>	598.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320
Total Hardness as CaCO <sub>3</sub>	544.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rdEdition) 3111B
Table 3: Parameters containing	Toxic Substance	s		
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rdEdition) 4500 PC
Sodium as Na	220.37 Mg/L	-		APHA (23rdEdition) 3500 B
Potassium as K	12.75 Mg/L	-		APHA (23rdEdition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9801:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/91	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/91(3/4)	Date of Report: 14.05.2022
	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022 27.04.2022

Date of end of testing GPS Coordinates of the Location 14.05.2022 24°21'18.5"N

Details of Sample

80°00'06.3"E

Water sample collected from Govt Handpump near Govt. School, Village & Post: Pagra, Tehsil: Amanganj, Dist.: Panna

Sample collected by

SCS Representative

	Results	IS - :	10500:2012	Protocol
Parameter	III.	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L		20µg/L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2µg/L	USEPA Method No. 525,2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 μg/L	USEPA Method No. 508
α-НСН	< 0.01 µg / L		0.01 µg/L	USEPA Method No. 508
β-НСН	< 0.04 µg / L		0.04µg/L	USEPA Method No. 508
Butachlor	< 10.0 µg / L		125µg/L	USEPA Method No. 525.2 & 8141A
Chlorphyrifos	< 1.0 µg / L			USEPA Method No. 525.2 & 8141A
δ-НСН	< 0.04 µg / L			USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L		30 μg / L	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 μg/L	1μg/L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4µg/L	USEPA Method No. 508
Ethion	< 0.10 µg / L		3μg/L	USEPA Method No. 1657A
у-НСН	< 0.10 µg / L		2μg/L	USEPA Method No. 508
Isoproturon	< 1.0 µg/L		9μg/L	USEPA Method No. 532
Malathion	< 10.0 µg/L		190µg/L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg/L		0.3μg/L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg/L		lµg/L	USEPA Method No. 8141A
Phorate	< 0.10 µg/L		2μg/L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg/L	. 0.0001 Mg/		APHA (23rdEdition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-15001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/91	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/91(4/4)	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022

Date of end of testing

27.04.2022 14.05.2022

GPS Coordinates of the

24°21'18.5"N

Location

80°00'06.3"E

Details of Sample

Water sample collected from Govt Handpump near Govt. School, Village & Post:

Pagra, Tehsil: Amanganj, Dist.: Panna

Sample collected by

SCS Representative

	Results	IS - 10500:2012			
Parameter		Requirement (Acceptable Limit) Permissible Limit in absence of alternate source			
Bacteriological Quality of	of Water				
Total Coliform	12 CFU	Shall not be detectable in any 100ml sample		IS 15185	
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

JAIPUR

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MOEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-3001.2015 CERTIFIED LABORATORY
ISO-44001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Cample ID No. CCCAVIGOGO ICT IOC	
Sample ID No.: SCS/W/20220421/92	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/92(1/4)	A CONTRACTOR OF THE PROPERTY O
	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

Address of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.) 24.04.2022

Date of Sample Receipt Date of start of testing

27.04.2022 14.05.2022

Date of end of testing GPS Coordinates of the Location

: 24°24'16.2"N 79°54'39.4"E

Details of Sample

Water sample collected from Govt Borewell near Govt. School, Village:

Udla, Post: Sunwani Kalan, Tchsil: Amanganj, Dist.: Panna : SCS Representative

Sample collected by

	Results	IS-1	0500:2012	Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Table 1: Organoleptic an	d Physical Parameter	s			
Temperature	32.0°C			APHA (23rdEdition) 2550B	
Color, Hazen Units	<1	5	15	APHA (23rdEdition) 2120B	
Odour	Agreeable	Agreeable	Agreeable		
Tastc	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)	
pH	6.89	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H	
Turbidity, NTU	0.19	1	5	APHA (23rdEdition) 2130	
Total Solids	223.00 Mg/L	-		APHA (23rdEdition) 2540 B	
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rdEdition) 2540 D	
Total Dissolved Solids	223.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C	
Electrical Conductivity	355 µS/cm	-	a,oco mgin	APHA (23rd Edition) 2510B	
Table 2: General Parame	ters Concerning Sub-	stances Undesirab	le in Excess Amounts	TH TH (25.0 Edition) 2510B	
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rdEdition) 3111D	
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)	
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B	
Calcium as Ca	35.20 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B	
Chloride as Cl	27.99 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rdEdition) 4500 Cl B	
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rdEdition) 3111B	
Fluoride as F	0.31 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rdEdition) 4500 F D	
Iron as Fe	0.02 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B	
Magnesium as Mg	9.72 Mg/L	30 Mg/L	100 Mg/L	APHA (23rdEdition) 3500 Mg B	
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rdEdition) 3111B	

Per pro SCS Enviro Services Pvt. Ltd.,

Locceperf Dr. D. S. Parihar (Technical Manager) Authorised Signatory



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MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-45001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

Sample ID No.: SCS/W/20220421/92	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/92(2/4)	Date of Report: 14.05.2022

### TEST REPORT

Name of Client M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt 24.04.2022 Date of start of testing 27.04.2022 Date of end of testing 14.05.2022 GPS Coordinates of the Location 24°24'16.2"N 79°54'39.4"E

Details of Sample Water sample collected from Govt Borewell near Govt. School, Village:

Udla, Post: Sunwani Kalan, Tehsil: Amanganj, Dist.: Panna

Sample collected by SCS Representative

	Results	IS - 1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO <sub>3</sub>	10.98 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> -B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L	-		APHA (23rdEdition) 4500 NO <sub>2</sub>
Oil & Grease	< 0.2 Mg/L		-	APHA (23rdEdition) 5520B
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rdEdition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3114B&C
Sulphate as SO <sub>4</sub>	23.98 Mg/L	200 Mg/L	400 Mg/L	APHA (23rdEdition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 E
Total Alkalinity as CaCO <sub>3</sub>	100.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320
Total Hardness as CaCO <sub>3</sub>	128.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rdEdition) 3111B
Table 3: Parameters containing	Toxic Substance	s	·	A contract of the contract of
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg / L	No relaxation	APHA (23rdEdition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rdEdition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Phosphate	< 0.50 Mg/L	-	/ <del>+</del>	APHA (23rdEdition) 4500 PC
Sodium as Na	10.81 Mg/L	-	-	APHA (23rdEdition) 3500 B
Potassium as K	3.52 Mg/L	-	(4)	APHA (23rdEdition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Decens Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/92	Date of Registration: 21,04,2022
Report No. SCS/JKCL/W/20220421/92(3/4)	Date of Report: 14.05,2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing Date of end of testing

: 24.04.2022 : 27.04.2022 : 14.05.2022

GPS Coordinates of the : Location

24°24'16.2"N 79°54'39.4"E

Details of Sample

Water sample collected from Govt Borewell near Govt. School, Village: Udla,

Post: Sunwani Kalan, Tehsil: Amanganj, Dist.: Panna : SCS Representative

Sample submitted by

	Results	IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L		20µg / L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2μg/L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 µg/L	USEPA Method No. 508
α-НСН	< 0.01 µg / L		0.01 µg/L	USEPA Method No. 508
β-НСН	< 0.04 µg / L		0.04µg/L	USEPA Method No. 508
Butachlor	< 10.0 µg/L	i.	125µg/L	USEPA Method No. 525.2 & 8141 A
Chlorphyrifos	< 1.0 µg / L	30µg/L		USEPA Method No. 525,2 & 8141 A
δ-НСН	< 0.04 µg / L	0.04µg/L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L	30 μg / L		USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 μg / L	lµg/L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4µg/L	USEPA Method No. 508
Ethion	< 0.10 µg / L		3µg/L	USEPA Method No. 1657A
у-НСН	< 0.10 µg / L		2μg / L	USEPA Method No. 508
Isoproturon	< 1.0 µg / I		9μg / L	USEPA Method No. 532
Malathion	< 10.0 μg / L		190µg/L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L		0.3µg/L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L			USEPA Method No. 8141A
Phorate	< 0.10 μg / L		2μg / L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg / L	0.0001 Mg/	L No relaxation	APHA (23rdEdition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/92	Deta of Posistantian 21 04 2020
Report No. SCS/JKCL/W/20220421/92(4/4)	Date of Registration: 21.04.2022
210 port 1:0. Debidiceli 11/20220421/92(4/4)	Date of Report: 14.05.2022

## TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing

24.04.2022 27.04.2022

Date of end of testing

: 14.05.2022 GPS Coordinates of the : 24°24'16.2"N

Location

79°54'39.4"E

Details of Sample

Water sample collected from Govt Borewell near Govt. School, Village: Udla, Post: Sunwani Kalan, Tehsil: Amanganj, Dist.: Panna

Sample submitted by : SCS Representative

	Results	IS-	Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality of	of Water			
Total Coliform	16 CFU	Shall not be	detectable in any 100ml sample	IS 15185
E. Coli	Absent	Shall not be	detectable in any 100ml sample	IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,

100000 er Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY vice S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-8001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Date of Registration: 21.04.2022
Date of Report: 14.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt

25.04.2022

Date of start of testing

27.04.2022

Date of end of testing

14.05.2022

GPS Coordinates of the Location

24°18'31.1"N

Details of Sample

79°58'24.4"E Water sample collected from Govt Handpump near house of Madhya Singh S/o Shri Arth Singh Yadav, Village: Sotipura, Post: Sunwani Kalan,

Tehsil: Amanganj, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and	d Physical Parameter			
Temperature	30.8°C	*	**	APHA (23rdEdition) 2550B
Color, Hazen Units	<1	5	15	APHA (23rdEdition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pН	6.85	6.5 – 8.5	No Relaxation	APHA (23rdEdition) 4500- H+
Turbidity, NTU	0.14	1	5	APHA (23rdEdition) 2130
Total Solids	491.00 Mg/L		-	APHA (23rdEdition) 2540 B
Total Suspended Solids	< 5.00 Mg/L			APHA (23rdEdition) 2540 D
Total Dissolved Solids	491.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C
Electrical Conductivity	860 µS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Parame		stances Undesirab	le in Excess Amounts	
Aluminum as Al	< 0.01 Mg/L		0.2 Mg/L	APHA (23rdEdition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L		1.0 Mg/L	APHA (23rdEdition) 4500B-B
Calcium as Ca	59.20 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	25.99 Mg/L		1,000 Mg/L	APHA (23rdEdition) 4500 Cl <sup>-</sup> B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	
Fluoride as F	0.65 Mg/L	1.0 Mg/L	1.5 Mg/L	
Iron as Fe	0.03 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B
Magnesium as Mg	37.91 Mg/L	30 Mg/L	100 Mg/L	APHA (23rdEdition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rdEdition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE. RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960 MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-44001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Comple ID No. CCC Wilders of the	
Sample ID No.: SCS/W/20220421/93	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/93(2/4)	
1 (220 121 )5(274)	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt

25.04.2022

Date of start of testing

27.04.2022

Date of end of testing GPS Coordinates of the Location

14.05.2022 24°18'31.1"N

Details of Sample

Water sample collected from Govt Handpump near house of Madhya Singh S/o Shri Arth Singh Yadav, Village: Sotipura, Post: Sunwani Kalan,

Tehsil: Amanganj, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS - 10500:2012		Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Nitrate as NO <sub>3</sub>	21.41 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> ·B	
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L	· ·		APHA (23rdEdition) 4500 NO2	
Oil & Grease	< 0.2 Mg/L			APHA (23rdEdition) 5520B	
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rdEdition) 5530C	
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation		
Sulphate as SO <sub>4</sub>	10.33 Mg/L	200 Mg/L	400 Mg/L	APHA (23rdEdition) 4500 E	
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 E	
Total Alkalinity as CaCO <sub>3</sub>	320.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320	
Total Hardness as CaCO <sub>3</sub>	304.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2340 C	
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L		
Table 3: Parameters containing	Toxic Substance	S		The state (absolution) State	
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 CN C & E	
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B	
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rdEdition) 3114B	
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Total Phosphate	< 0.50 Mg/L			APHA (23rdEdition) 4500 PC	
Sodium as Na	13.24 Mg/L			APHA (23rdEdition) 3500 B	
Potassium as K	1.86 Mg/L	-		APHA (23rdEdition) 3500 B	

Per pro SCS Enviro Services Pvt. Ltd.,

Doogoeus Dr. D. S. Parihar (Technical Manager) Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISC-9001:2015 CERTIFIED LABORATORY ISC-14001:2015 CERTIFIED LABORATORY ISC-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/93	
	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/93(3/4)	And the second s
	Date of Report: 14.05.2022

## TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing

25.04.2022 27.04.2022

Date of end of testing

14.05.2022

GPS Coordinates of the : 24°18'31.1"N Location

79°58'24.4"E

Details of Sample

Water sample collected from Govt Handpump near house of Madhya Singh S/o

Shri Arth Singh Yadav, Village: Sotipura, Post: Sunwani Kalan, Tehsil:

Amanganj, Dist.: Panna

Sample submitted by

: SCS Representative

	Results	IS - 10500:2012		Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Pesticides Residues		23213767	anternate source		
Alachlor	< 0.10 µg / L	T	20μg/L	USEPA Method No. 525.2 & 507	
Atrazine	< 0.10 µg / L		2μg / L	USEPA Method No. 525.2 & 8141A	
Aldrin / Dieldrin	< 0.03 µg/L		0.03 μg/L	USEPA Method No. 523.2 & 6141A	
α-НСН	< 0.01 µg/L		0.01 µg/L	USEPA Method No. 508	
β-НСН	< 0.04 µg/L		0.04µg/L	USEPA Method No. 508	
Butachlor	< 10.0 µg/L		125µg/L	USEPA Method No. 525.2 & 8141A	
Chlorphyrifos	< 1.0 µg/L	30μg/L		USEPA Method No. 525.2 & 8141A	
δ-НСН	< 0.04 µg/L			USEPA Method No. 523.2 & 8141A	
2,4 Dichlorophenoxyacetic acid	<1.0 μg/L			USEPA Method No. 515.1	
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 μg/L	1μg/L		USEPA Method No. 508	
Endosulphane (α, β and Sulphate)	< 0.10 µg/L		0.4µg / L	USEPA Method No. 508	
Ethion	< 0.10 µg/L		3μg/L	USEPA Method No. 1657A	
у-НСН	< 0.10 µg/L		2μg/L	USEPA Method No. 508	
Isoproturon	< 1.0 μg/L	6	9μg / L	USEPA Method No. 532	
Malathion	< 10.0 µg/L		190µg / L	USEPA Method No. 8141A	
Methyl Parathion	< 0.10 µg/L		0.3μg / L	USEPA Method No. 8141A	
Monocrotophos	< 0.10 µg/L			USEPA Method No. 8141A	
Phorate	< 0.10 µg/L		2μg/L	USEPA Method No. 8141A	
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg/L			APHA (23rdEdition) 6440	

Per pro SCS Enviro Services Pvt. Ltd.,

Decell Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/93	Data of Besiet - 41 - 21 04 2022
Report No. SCS/JKCL/W/20220421/93(4/4)	Date of Registration: 21.04.2022
1	Date of Report: 14.05.2022

## TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing 25.04.2022

Date of end of testing

27.04.2022 : 14.05.2022

GPS Coordinates of the : 24°18'31.1"N

Location Details of Sample 79°58'24.4"E

Water sample collected from Govt Handpump near house of Madhya Singh S/o

Shri Arth Singh Yadav, Village: Sotipura, Post: Sunwani Kalan, Tehsil:

Amanganj, Dist.: Panna

Sample submitted by

: SCS Representative

	Results	IS-	Protocol		
Parameter		Requirement Permissible Limit in absence of alternate source			
Bacteriological Quality o	f Water				
Total Coliform	23 CFU	Shall not be	detectable in any 100ml sample	IS 15185	
E, Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185	

Per pro SCS Enviro Services Pvt. Ltd.,

Dogoel Dr. D. S. Parihar (Technical Manager)

Authorised Signatory



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7. KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/94	Date of Registration: 21.04,202	
Report No. SCS/JKCL/W/20220421/94(1/4)	The same of the sa	
	Date of Report: 14.05.2022	

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

26.04.2022

Date of end of testing GPS Coordinates of the 27.04.2022 14.05.2022

Location

24°23'13.2"N 80°00'48.0"E

Details of Sample

Water sample collected from Borewell near house of Bhagirath Sharma S/o Shri Bhagwan Sharma, Village: Hinauta, Post: Pagra, Tehsil: Amanganj, Dist.: Panna

SCS Representative

Sample collected by

Results IS-10500:2012 Protocol Parameter Requirement Permissible Limit (Acceptable in absence of Limit) alternate source Table 1: Organoleptic and Physical Parameters Temperature 31.0°C APHA (23rdEdition) 2550B Color, Hazen Units < 1 5 15 APHA (23rdEdition) 2120B Odour Agreeable Agreeable IS 3025 (Part 5) Agreeable Taste Agreeable Agreeable Agrecable IS 3025 (Part 7) pH No Relaxation 7.98 6.5 - 8.5APHA (23rdEdition) 4500- H Turbidity, NTU 0.21 APHA (23rdEdition) 2130 1 1,969.00 Mg/L Total Solids APHA (23rdEdition) 2540 B Total Suspended Solids < 5.00 Mg/L APHA (23rdEdition) 2540 D Total Dissolved Solids 1,967.00 Mg/L 500 Mg/L 2,000 Mg/L APHA (23rdEdition) 2540 C Electrical Conductivity 3,050 µS/cm APHA (23rd Edition) 2510B Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts Aluminum as Al < 0.01 Mg/L 0.2 Mg/L APHA (23rdEdition) 3111D 0.03 Mg/L < 0.2 Mg/L Ammonia 0.5 Mg/L No Relaxation IS 3025 (Part 34) Boron as B  $< 0.1 \,\mathrm{Mg/L}$ 0.5 Mg/L APHA (23rdEdition) 4500B-B 1.0 Mg/L 169.60 Mg/L Calcium as Ca 75 Mg/L 200 Mg/L APHA (23rd Edition) 3500 Ca B Chloride as Cl 495.84 Mg/L 250 Mg/L 1,000 Mg/L APHA (23rdEdition) 4500 Cl-B < 0.01 Mg/L Copper as Cu 0.05 Mg/L 1.5 Mg/L APHA (23rdEdition) 3111B Fluoride as F 1.46 Mg/L 1.0 Mg/L 1.5 Mg/L APHA (23rdEdition) 4500 F D Iron as Fe 0.3 Mg/L 0.08 Mg/L No Relaxation APHA (23rdEdition) 3111B Magnesium as Mg 40.82 Mg/L 30 Mg/L 100 Mg/L APHA (23rdEdition) 3500 Mg B Manganese as Mn  $< 0.01 \,\mathrm{Mg/L}$ 0.1 Mg/L 0.3 Mg/L APHA (23rdEdition) 3111B

Per pro SCS Enviro Services Pyt\_Ltd.

Deceeler Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.

SERVIC



7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOSNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISC-9001:2015 CERTIFIED LABORATORY ISC-44001:2015 CERTIFIED LABORATORY ISC-45001:2018 CERTIFIED LABORATORY

Date of Registration: 21.04.2022
Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amangani, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

26.04.2022

Date of end of testing GPS Coordinates of the Location 27.04.2022 14.05.2022 24°23'13.2"N

Details of Sample

80°00'48.0"E Water sample collected from Borewell near house of Bhagirath Sharma S/o Shri Bhagwan Sharma, Village: Hinauta, Post: Pagra, Tehsil: Amanganj, Dist.: Panna

Sample collected by

SCS Representative

	Results	IS - 10500:2012		Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Nitrate as NO <sub>3</sub>	42.09 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> ·B	
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L		-	APHA (23rdEdition) 4500 NO2	
Oil & Grease	< 0.2 Mg/L			APHA (23rdEdition) 5520B	
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L		
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3114B&C	
Sulphate as SO <sub>4</sub>	397.15 Mg/L	200 Mg/L	400 Mg/L		
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation		
Total Alkalinity as CaCO <sub>3</sub>	504.00 Mg/L	200 Mg/L	600 Mg/L		
Total Hardness as CaCO3	592.00 Mg/L	200 Mg/L	600 Mg/L		
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rdEdition) 3111B	
Table 3: Parameters containing	Toxic Substances				
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation		
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation		
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B	
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation		
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L		
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B	
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rdEdition) 4500 PC	
Sodium as Na	390.20 Mg/L	-	-	APHA (23rdEdition) 3500 B	
Potassium as K	23.33 Mg/L	P	-	APHA (23rdEdition) 3500 B	

Per pro SCS Enviro Services Pvt. Ltd.,



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No. SCIENTIAGGGGGGGGGG	
Sample ID No.: SCS/W/20220421/94 Report No. SCS/JKCL/W/20220421/94(3/4)	Date of Registration: 21.04.2022
(CT)	Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt

: 26.04.2022

Date of start of testing Date of end of testing

27.04.2022 14.05.2022

GPS Coordinates of the : 24°23'13.2"N Location

Details of Sample

80°00'48.0"E

: Water sample collected from Borewell near house of Bhagirath Sharma S/o Shri Bhagwan Sharma, Village: Hinauta, Post: Pagra, Tehsil: Amanganj, Dist.: Panna

Comple colleged by

<b>→</b>	Results	IS - 10500:2012		Protocol	
Parameter		Requirement (Acceptable Limit in absence of Limit)  Permissible Limit in absence of alternate source			
Pesticides Residues			minute bourte		
Alachlor	< 0.10 µg / L		20μg/L	USEPA Method No. 525.2 & 507	
Atrazine	< 0.10 µg / L		2μg / L	USEPA Method No. 525.2 & 8141A	
Aldrin / Dieldrin	< 0.03 µg/L		0.03 μg/L	USEPA Method No. 508	
α-НСН	< 0.01 µg / L		0.01 µg/L	USEPA Method No. 508	
β-НСН	< 0.04 µg / L		0.04µg/L	USEPA Method No. 508	
Butachlor	< 10.0 µg / L		125µg/L	USEPA Method No. 525.2 & 8141A	
Chlorphyrifos	< 1.0 µg / L		30μg/L	USEPA Method No. 525.2 & 8141 A	
δ-НСН	< 0.04 µg/L	0.04µg/L		USEPA Method No. 525.2 & 8141A	
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L		30 μg/L	USEPA Method No. 515.1	
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 µg / L	lμg/L		USEPA Method No. 508	
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4µg/L	USEPA Method No. 508	
Ethion	< 0.10 µg / L	s i	3µg/L	USEPA Method No. 1657A	
ү-НСН	< 0.10 µg / L		2µg/L	USEPA Method No. 508	
Isoproturon	< 1.0 µg/L		9µg/L	USEPA Method No. 532	
Malathion	< 10.0 µg / L		190µg/L	USEPA Method No. 8141A	
Methyl Parathion	< 0.10 µg / L	0.3μg/L		USEPA Method No. 8141A	
Monocrotophos	< 0.10 µg / L		1µg/L	USEPA Method No. 8141A	
Phorate	< 0.10 µg / L		2µg/L	USEPA Method No. 8141A	
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg / L	0.0001 Mg/L No relaxation		APHA (23rdEdition) 6440	

Per pro SCS Enviro Services Pvt. Ltd.,



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Date of Registration: 21.04.2022
Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing Date of end of testing

26.04.2022 27.04.2022

GPS Coordinates of the :

14.05.2022 24°23'13.2"N

Location

80°00'48.0"E

Details of Sample

Water sample collected from Borewell near house of Bhagirath Sharma S/o Shri Bhagwan Sharma, Village: Hinauta, Post: Pagra, Tehsil: Amanganj, Dist.: Panna

SCS Representative

Sample collected by	: SCS Rep.	resentative	- 10500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality	of Water			
Total Coliform	13 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,

Decen Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-1001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

0	
Sample ID No.: SCS/W/20220421/95 Report No. SCS/JKCL/W/20220421/95(1/4)	Date of Registration: 21.04.2022
1-1-1-101-10-1-1-1-1-1-1-1-1-1-1-1-1-1-	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022

Date of end of testing

27.04.2022 14.05.2022

GPS Coordinates of the Location

24°19'54.2"N 79°56'48.0"E

Details of Sample

Water sample collected from Govt Handpump near Govt school, Village:

Purwa, Post: Puraina, Tehsil: Amanganj, Dist.: Panna

Sample collected by

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic an	d Physical Parameter	s		
Temperature	28.7 °C			APHA (23rdEdition) 2550B
Color, Hazen Units	<1	5	15	APHA (23rdEdition) 2120B
Odour	Agrecable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	6,55	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H +
Turbidity, NTU	0.67	1	5	APHA (23rdEdition) 2130
Total Solids	887.00 Mg/L		-	APHA (23rdEdition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-		APHA (23rdEdition) 2540 D
Total Dissolved Solids	883.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C
Electrical Conductivity	1,286 μS/cm		-	APHA (23rd Edition) 2510B
Table 2: General Parame	ters Concerning Sub	stances Undesirab	le in Excess Amounts	, , , , , , , , , , , , , , , , , , , ,
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rdEdition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B
Calcium as Ca	116.80 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	19.99 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rdEdition) 4500 Cl B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rdEdition) 3111B
Fluoride as F	1.23 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rdEdition) 4500 F D
Iron as Fe	0.04 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B
Magnesium as Mg	56.38 Mg/L	30 Mg/L	100 Mg/L	APHA (23rdEdition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rdEdition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Velid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-43001:2015 CERTIFIED LABORATORY
ISO-4501:12018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/95	Date of Registration: 21.04.2022	
Report No. SCS/JKCL/W/20220421/95(2/4)	Date of Report: 14.05.2022	

#### TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD..

Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

 Date of Sample Receipt
 : 25.04.2022

 Date of start of testing
 : 27.04.2022

 Date of end of testing
 : 14.05.2022

 GPS Coordinates of the Location
 : 24°19'54.2"N

 79°56'48.0"E

Details of Sample : Water sample collected from Govt Handpump near Govt school, Village:

Purwa, Post: Puraina, Tehsil: Amanganj, Dist.: Panna
Sample collected by : SCS Representative

SCS Representative Results IS-10500:2012 Protocol Parameter Requirement Permissible Limit (Acceptable in absence of Limit) alternate source Nitrate as NO<sub>3</sub> 2.44 Mg/L 45 Mg/L No relaxation APHA (23rdEdition) 4500 NO3-B Nitrite as NO2 < 0.01 Mg/L APHA (23rdEdition) 4500 NO2 < 0.2 Mg/L Oil & Grease APHA (23rdEdition) 5520B Phenolic Compounds as C6H5OH < 0.001 Mg/L 0.001 Mg/L 0.002 Mg/L APHA (23rdEdition) 5530C Selenium as Se < 0.01 Mg/L 0.01 Mg/L No relaxation APHA (23rdEdition) 3114B&C Sulphate as SO<sub>4</sub> 335.31 Mg/L 200 Mg/L 400 Mg/L APHA (23rdEdition) 4500 E Sulphide as S < 0.20 Mg/L 0.05 Mg/L No relaxation APHA (23rdEdition) 4500 E Total Alkalinity as CaCO3 308.00 Mg/L 200 Mg/L 600 Mg/L APHA (23rdEdition) 2320 200 Mg/L Total Hardness as CaCO3 524.00 Mg/L 600 Mg/L APHA (23rdEdition) 2340 C Zinc as Zn < 0.01 Mg/L 15 Mg/L APHA (23rdEdition) 3111B 5 Mg/L Table 3: Parameters containing Toxic Substances Cadmium as Cd < 0.003 Mg/L 0.003 Mg/L No relaxation APHA (23rdEdition) 3111B Cyanide < 0.01 Mg/L 0.05 Mg/L No relaxation APHA (23rdEdition) 4500 CN C & E Lead as Pb < 0.01 Mg/L 0.01 Mg/L No relaxation APHA (23rdEdition) 3111B Mercury as Hg < 0.001 Mg/L 0.001 Mg/L No relaxation APHA (23rdEdition) 3112B < 0.01 Mg/L Nickel as Ni 0.02 Mg/L No relaxation APHA (23rdEdition) 3111B Total Arsenic as As < 0.005 Mg/L 0.01 Mg/L 0.05 Mg/L APHA (23rdEdition) 3114B < 0.01 Mg/L 0.05 Mg/L No relaxation | APHA (23rdEdition) 3111B Total Chromium as Cr Total Phosphate < 0.50 Mg/LAPHA (23rdEdition) 4500 PC Sodium as Na 40.41 Mg/L APHA (23rdEdition) 3500 B Potassium as K 1.85 Mg/L APHA (23rdEdition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE. RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Commission III V. COCKETTORES IN 18-18-18-18-18-18-18-18-18-18-18-18-18-1	
Sample ID No.: SCS/W/20220421/95 Report No. SCS/JKCL/W/20220421/95(3/4)	Date of Registration: 21.04.2022
	Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt

25.04.2022

Date of start of testing Date of end of testing

27.04.2022 14.05.2022

GPS Location

Coordinates of the : 24°19'54.2"N 79°56'48.0"E

Details of Sample

Water sample collected from Govt Handpump near Govt school, Village:

Purwa, Post: Puraina, Tehsil: Amanganj, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg/L		20μg / L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg/L		2μg / L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg/L		0.03 μg / L	USEPA Method No. 508
α-НСН	< 0.01 µg/L		0.01 μg / L	USEPA Method No. 508
β-НСН	< 0.04 µg/L		0.04µg/L	USEPA Method No. 508
Butachlor	<10.0 µg/L	8	125µg/L	USEPA Method No. 525.2 & 8141A
Chlorphyrifos	< 1.0 μg/L		30μg / L	USEPA Method No. 525.2 & 8141A
δ-НСН	< 0.04 µg/L	0.04µg / L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg/L		30 μg / L	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 μg/L	1μg / L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg/L		0.4µg / L	USEPA Method No. 508
Ethion	< 0.10 µg/L		3μg / L	USEPA Method No. 1657A
у-НСН	< 0.10 µg/L		2μg / L	USEPA Method No. 508
Isoproturon	< 1.0 μg/L		9μg / L	USEPA Method No. 532
Malathion	< 10.0 µg/L		190µg/L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg/L	0.3µg / L		USEPA Method No. 8141A
Monocrotophos	< 0.10 µg/L		lµg/L	USEPA Method No. 8141A
Phorate	< 0.10 µg/L		2μg / L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg/L			APHA (23rdEdition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

Deceeus Dr. D. S. Parihar (Technical Manager)

Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No. CCC NV/2020 to me	
Sample ID No.: SCS/W/20220421/95	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/95(4/4)	
1 - 11 0 00:012012 11120220421175(414)	Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022

Date of end of testing

27.04.2022 14.05.2022

GPS Coordinates of the : Location

24°19'54.2"N 79°56'48.0"E

Details of Sample

Water sample collected from Govt Handpump near Govt school, Village:

Purwa, Post: Puraina, Tehsil: Amanganj, Dist.: Panna

Sample collected by

SCS Representative

2 Delegation of Con-	Results	IS-	Protocol		
Parameter		Requirement (Acceptable Limit) Permissible Limit in absence of alternate source			
Bacteriological Quality o	f Water			-	
Total Coliform	9 CFU	Shall not be	detectable in any 100ml sample	IS 15185	
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

ERVIO Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2019 Valid upto 14.11.2023 ISC-9001:2015 CERTIFIED LABORATORY ISC-9001:2015 CERTIFIED LABORATORY ISC-46001:2018 CERTIFIED LABORATORY

te of Registration: 21.04.2022
Date of Report: 14.05.2022
-

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

26.04.2022 27.04.2022 14.05.2022

Date of end of testing GPS Coordinates of the Location

: 24°25'32.3"N 80°02'29.7"E

Details of Sample

Water sample collected from Govt Borewell Near Water Works, Village:

Amanganj, Post & Tehsil: Amanganj, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS-1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and	d Physical Parameter	s		
Temperature	29.4°C		-	APHA (23rdEdition) 2550B
Color, Hazen Units	<1	5	15	APHA (23rdEdition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pН	8.06	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H
Turbidity, NTU	0.18	1	5	APHA (23rdEdition) 2130
Total Solids	1,628.00 Mg/L		-	APHA (23rdEdition) 2540 B
Total Suspended Solids	< 5.00 Mg/L		-	APHA (23rdEdition) 2540 D
Total Dissolved Solids	1,628.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C
Electrical Conductivity	2,380 μS/cm		-	APHA (23rd Edition) 2510B
Table 2: General Parame	ters Concerning Sub-	stances Undesirab	le in Excess Amounts	
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rdEdition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B
Calcium as Ca	145.60 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	201.94 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rdEdition) 4500 Cl <sup>-</sup> B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rdEdition) 3111B
Fluoride as F	1.05 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rdEdition) 4500 F D
Iron as Fe	0.07 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B
Magnesium as Mg	48.60 Mg/L	30 Mg/L	100 Mg/L	APHA (23rdEdition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rdEdition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960 MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15,11,2018 Yalid upto 14,11,2023
ISC-901;2015 CERTIFIED LABORATORY
ISO-14001;2015 CERTIFIED LABORATORY
ISO-45001;2018 CERTIFIED LABORATORY

County ID M. COCKY ISSESS (A. I.	
Sample ID No.: SCS/W/20220421/96	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/96(2/4)	
1	Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

: 26.04.2022

Date of end of testing

GPS Coordinates of the Location

: 27.04.2022 14.05.2022 : 24°25'32.3"N

Details of Sample

80°02'29.7"E

: Water sample collected from Govt Borewell Near Water Works, Village:

Amanganj, Post & Tehsil: Amanganj, Dist.: Panna

Sample collected by : SCS Representative

	Results	18 - 1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO <sub>3</sub>	7.29 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> -B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L		-	APHA (23rdEdition) 4500 NO2
Oil & Grease	< 0.2 Mg/L			APHA (23rdEdition) 5520B
Phenolic Compounds as C <sub>5</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rdEdition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3114B&C
Sulphate as SO <sub>4</sub>	372.45 Mg/L	200 Mg/L	400 Mg/L	APHA (23rdEdition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 E
Total Alkalinity as CaCO₃	580.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320
Total Hardness as CaCO3	564.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rdEdition) 3111B
Table 3: Parameters containing	Toxic Substance			(10000000000000000000000000000000000000
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rdEdition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rdEdition) 4500 PC
Sodium as Na	261.30 Mg/L	-	-	APHA (23rdEdition) 3500 B
Potassium as K	10.16 Mg/L	-	-	APHA (23rdEdition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Cample ID N. CODAVIAGAGA	
Sample ID No.: SCS/W/20220421/96	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/96 (3/4)	-
1 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 0 0 0 1 0	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing

26.04.2022

Date of end of testing

: 27.04.2022 : 14.05.2022

GPS Coordinates of the : 24°25'32.3"N Location

80°02'29.7"E

Details of Sample

Water sample collected from Govt Borewell Near Water Works, Village:

Amanganj, Post & Tehsil: Amanganj, Dist.: Panna

Sample submitted by

SCS Representative

	Results IS – 1		10500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg/L		20μg/L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg/L		2μg/L	USEPA Method No. 525.2 & 8141 A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 μg/L	USEPA Method No. 508
α-НСН	< 0.01 µg/L		0.01 μg/L	USEPA Method No. 508
β-НСН	< 0.04 µg / L	0	0.04µg/L	USEPA Method No. 508
Butachlor	< 10.0 µg/L		125µg/L	USEPA Method No. 525.2 & 8141 A
Chlorphyrifos	< 1.0 μg/L	30µg/L		USEPA Method No. 525,2 & 8141 A
δ-НСН	< 0.04 µg / L		0.04μg/L	USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 μg / L		30 μg/L	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 μg / L	1μg/L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg/L		0.4µg/L	USEPA Method No. 508
Ethion	< 0.10 µg/L		3μg/L	USEPA Method No. 1657A
у-НСН	< 0.10 µg/L		2µg/L	USEPA Method No. 508
Isoproturon	< 1.0 µg/L		9μg/L	USEPA Method No. 532
Malathion	< 10.0 μg/L		190μg/L	USEPA Method No. 8141 A
Methyl Parathion	< 0.10 µg/L		0.3μg/L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg/L			USEPA Method No. 8141 A
Phorate	< 0.10 µg/L		2μg/L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg / L	The second secon		APHA (23rdEdition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/96	Date of Pagistration, 21 At 2022
Report No. SCS/JKCL/W/20220421/96(4/4)	Date of Registration: 21.04.2022
Report 140. 3C5/3RCL/W/20220421/90(4/4)	Date of Report: 14.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing 26.04.2022

Date of end of testing

27.04.2022

GPS Coordinates of the : 24°25'32.3"N

: 14.05.2022

Location

80°02'29.7"E

Details of Sample

Water sample collected from Govt Borewell Near Water Works, Village:

Amanganj, Post & Tehsil: Amanganj, Dist.: Panna

Sample submitted by

: SCS Representative

	Results	IS-	Protocol	
Parameter		Requirement (Acceptable Limit) Permissible Limit in absence of alternate source		
Bacteriological Quality of	of Water		0)-112	
Total Coliform	5 CFU	Shall not be	detectable in any 100ml sample	IS 15185
E, Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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### SCS

### SCS ENVIRO SERVICES PRIVATE LIMITED



7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9012015 CERTIFIED LABORATORY
ISO-4001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

of Registration: 21.04.2022	mple ID No.: SCS/W/20220421/97
Date of Report: 14.05.2022	port No. SCS/JKCL/W/20220421/97(1/4)
D	port No. SCS/JKCL/W/20220421/97(1/4)

#### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD...

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022 27.04.2022

Date of end of testing GPS Coordinates of the Location

14.05.2022 24°16'36.7"N 79°54'24.6"E

Details of Sample

Water sample collected from Borewell near house of Kallu Yadav S/o Shri Gokul Yadav, Village: Simariya Garhi, Post & Tehsil: Simariya, Dist.: Panna

Sample collected by

SCS Representative

	Results IS-1		0500:2012	Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Table 1: Organoleptic and	d Physical Parameter	'S			
Temperature	29.9℃			APHA (23rdEdition) 2550B	
Color, Hazen Units	< 1	5	15	APHA (23rdEdition) 2120B	
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)	
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)	
pH	6,61	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H+	
Turbidity, NTU	0.13	1	5	APHA (23rdEdition) 2130	
Total Solids	580.00 Mg/L	-	-	APHA (23rdEdition) 2540 B	
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rdEdition) 2540 D	
Total Dissolved Solids	576.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C	
Electrical Conductivity	856 μS/cm	-		APHA (23rd Edition) 2510B	
Table 2: General Parame	ters Concerning Sub	stances Undesirab	le in Excess Amounts	· · · · · · · · · · · · · · · · · · ·	
Aluminum as Al	< 0.01 Mg/L		0.2 Mg/L	APHA (23rdEdition) 3111D	
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)	
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B	
Calcium as Ca	75.20 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B	
Chloride as Cl	47.98 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rdEdition) 4500 Cl B	
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rdEdition) 3111B	
Fluoride as F	0.73 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rdEdition) 4500 F D	
Iron as Fe	0.06 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B	
Magnesium as Mg	42.77 Mg/L	30 Mg/L	100 Mg/L	APHA (23rdEdition) 3500 Mg B	
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rdEdition) 3111B	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory JAIPUR JAIPUR

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960
MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Date of Registration: 21.04.2022
Date of Report: 14.05,2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022 27.04.2022

Date of end of testing

GPS Coordinates of the Location

14.05.2022

24°16'36.7"N 79°54'24.6"E

Details of Sample
Sample collected by

Water sample collected from Borewell near house of Kallu Yadav S/o Shri Gokul Yadav, Village: Simariya Garhi, Post & Tehsil: Simariya, Dist.: Panna

: SCS Representative

	Results	IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO <sub>3</sub>	12.47 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO3 B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L	-		APHA (23rdEdition) 4500 NO2
Oil & Grease	< 0.2 Mg/L	-		APHA (23rdEdition) 5520B
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L,	APHA (23rdEdition) 5530C
Sclonium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3114B&C
Sulphate as SO <sub>4</sub>	58.06 Mg/L	200 Mg/L	400 Mg/L	APHA (23rdEdition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 E
Total Alkalinity as CaCO <sub>3</sub>	316.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320
Total Hardness as CaCO <sub>3</sub>	334.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	The state of the s
Table 3: Parameters containing	Toxic Substance	S		7.5
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rdEdition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rdEdition) 4500 PC
Sodium as Na	21.01 Mg/L	-	-	APHA (23rdEdition) 3500 B
Potassium as K	1.55 Mg/L	(H)	-	APHA (23rdEdition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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### SCS scs enviro services private limited

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/97	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/97(3/4)	Date of Report: 14.05.2022
	Date of Report: 14.05.202.

#### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling

25.04.2022

Date of start of testing Date of end of testing : 27.04.2022 : 14.05.2022

GPS Coordinates of the : Location

24°16'36.7"N 79°54'24.6"E

Details of Sample

Water sample collected from Borewell near house of Kallu Yadav S/o Shri Gokul Yadav, Village: Simariya Garhi, Post & Tehsil: Simariya, Dist.: Panna

Sample submitted by : SCS Representative

	Results	ilts IS – 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 μg / L		20μg / L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2μg/L	USEPA Method No. 525.2 & 8141 A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 µg/L	USEPA Method No. 508
α-НСН	< 0.01 µg/L		0.01 µg/L	USEPA Method No. 508
β-НСН	< 0.04 µg/L		0.04µg/L	USEPA Method No. 508
Butachlor	< 10.0 μg/L		125µg / L	USEPA Method No. 525.2 & 8141A
Chlorphyrifos	< 1.0 μg / L			USEPA Method No. 525.2 & 8141A
δ-НСН	< 0.04 µg / L	0.04μg/L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 μg / L		30 µg / L	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 μg / L	1 27		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4µg/L	USEPA Method No. 508
Ethion	< 0.10 µg / L		3µg/L	USEPA Method No. 1657A
у-НСН	< 0.10 µg / L		2μg/L	USEPA Method No. 508
Isoproturon	< 1.0 µg/L		9μg/L	USEPA Method No. 532
Malathion	< 10.0 µg/L		190µg/L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg/L		0.3µg/L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg/L			USEPA Method No. 8141A
Phorate	< 0.10 µg / L			USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg/L	0.0001 Mg/		APHA (23rdEdition) 6440

Per pro SCS Enviro Services Pvt\_Ltd.

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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This report cannot be reproduced without the written permission of the director.

The sample will be destroyed after 15 days from the date of issue of the test report.

· The liability of the laboratory is limited to the invoiced amount.

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

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Sample ID No.: SCS/W/20220421/97	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/97(4/4)	The state of the s
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing 25.04.2022

Date of end of testing

27.04.2022 14.05.2022

GPS Coordinates of the :

24°16'36.7"N

Location

79°54'24.6"E

Details of Sample

Water sample collected from Borewell near house of Kallu Yadav S/o Shri Gokul Yadav, Village: Simariya Garhi, Post & Tehsil: Simariya, Dist.: Panna

SCS Representative

Sample submitted by

	Results	IS-	Protocol	
Parameter  Bacteriological Quality of	FW/ster	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Total Coliform	7 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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The sample will be destroyed after 15 days from the date of issue of the test report.

The liability of the laboratory is limited to the invoiced amount.

All disputes are subjected to Jaipur jurisdiction.



7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Deted 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-45001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/98	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/98(1/4)	
	Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022 27.04.2022

Date of end of testing

14.05.2022

GPS Coordinates of the : Location

24°18'38.4"N 79°54'12.3"E

Details of Sample

Water sample collected from Borewell near house of Randhir Singh S/o Shri Nathu

Singh, Village & Post: Bharatpur, Tehsil: Simariya, Dist.: Panna

Sample collected by

SCS Representative

	Results	IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and	d Physical Parameter	'S		
Temperature	32.3 °C		-	APHA (23rdEdition) 2550B
Color, Hazen Units	<1	5	15	The state of the s
Odour	Agreeable	Agreeable	Agreeable	
Taste	Agrecable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	8.23	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H +
Turbidity, NTU	0.15	1	5	APHA (23rdEdition) 2130
Total Solids	1,740.00 Mg/L		-	APHA (23rdEdition) 2540 B
Total Suspended Solids	< 5.00 Mg/L			APHA (23rdEdition) 2540 D
Total Dissolved Solids	1,737.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C
Electrical Conductivity	2,490 µS/cm		-	APHA (23rd Edition) 2510B
Table 2: General Parame	ters Concerning Sub	stances Undesirab	le in Excess Amounts	
Aluminum as Al	< 0.01 Mg/L			APHA (23rdEdition) 3111D
Ammonia	< 0.2 Mg/L			IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B
Calcium as Ca	132.80 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	227.93 Mg/L	250 Mg/L	1,000 Mg/L	
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rdEdition) 3111B
Fluoride as F	1.33 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rdEdition) 4500 F D
Iron as Fe	0.10 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rdEdition) 3111B
Magnesium as Mg	52.49 Mg/L	30 Mg/L	100 Mg/L	
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2016 CERTIFIED LABORATORY

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Sample ID No.: SCS/W/20220421/98	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/98(2/4)	Date of Report: 14.05.2022
	Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022

Date of end of testing

27.04.2022 : 14.05.2022

GPS Coordinates of the : 24°18'38.4"N

Location

79°54'12.3"E

Details of Sample

Water sample collected from Borewell near house of Randhir Singh S/o Shri

Nathu Singh, Village & Post: Bharatpur, Tehsil: Simariya, Dist.: Panna

Sample collected by

Parameter	Results	IS - 1	0500:2012	Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO <sub>3</sub>	6.37 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> ·B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L	-		APHA (23rdEdition) 4500 NO2
Oil & Grease	< 0.2 Mg/L	_	-	APHA (23rdEdition) 5520B
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rdEdition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3114B&C
Sulphate as SO <sub>4</sub>	391.78 Mg/L	200 Mg/L	400 Mg/L	APHA (23rdEdition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 E
Total Alkalinity as CaCO <sub>3</sub>	584.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320
Total Hardness as CaCO <sub>3</sub>	548.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2340 C
Zine as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rdEdition) 3111B
Table 3: Parameters containing	Toxic Substance	s		, , , , , , , , , , , , , , , , , , , ,
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rdEdition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Phosphate	< 0.50 Mg/L	-		APHA (23rdEdition) 4500 PC
Sodium as Na	287.85 Mg/L		853	APHA (23rdEdition) 3500 B
Potassium as K	52.7 Mg/L			APHA (23rdEdition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,



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- All disputes are subjected to Jaipur jurisdiction.

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/98	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/98(3/4)	Date of Report: 14.05.2022
	Date of Report: 14.05.20

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

25.04.2022

Date of end of testing GPS Coordinates of the : 24°18'38.4"N

27.04.2022 14.05.2022

Location

79°54'12.3"E

Details of Sample

Water sample collected from Borewell near house of Randhir Singh S/o Shri

Nathu Singh, Village & Post: Bharatpur, Tehsil: Simariya, Dist.: Panna

Sample collected by

	Results IS - 10500:2012		Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 μg / L		20μg/L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2μg/L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 μg/L		0.03 µg/L	USEPA Method No. 508
α-НСН	< 0.01 μg / L		0.01 µg/L	USEPA Method No. 508
β-НСН	< 0.04 µg / L		0.04µg/L	USEPA Method No. 508
Butachlor	< 10.0 μg / L		125µg/L	USEPA Method No. 525.2 & 8141 A
Chlorphyrifos	< 1.0 µg / L		30μg/L	USEPA Method No. 525.2 & 8141 A
8-НСН	< 0.04 μg / L		0.04µg/L	USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L		30 µg/L	USEPA Method No. 515.1
DDT (0,p and p, p isomers of DDT, DDE and DDD	< 0.10 µg / L	lμg/L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4µg/L	USEPA Method No. 508
Ethion	< 0.10 µg / L		3µg/L	USEPA Method No. 1657A
γ-НСН	< 0.10 µg / L		2μg/L	USEPA Method No. 508
Isoproturon	< 1.0 µg / L		9μg / L	USEPA Method No. 532
Malathion	< 10.0 µg/L		190µg/L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L		0.3µg/L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L		lug/L	USEPA Method No. 8141A
Phorate	< 0.10 µg / L		2μg/L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg/L			APHA (23rdEdition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/98	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/98(4/4)	Date of Report: 14.05.2022
3 /	Bate of Acport. 14.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

: Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing Date of end of testing

25.04.2022 : 27.04.2022

GPS Coordinates of the : 24°18'38.4"N

: 14.05.2022

Location

79°54'12.3"E

Details of Sample

: Water sample collected from Borewell near house of Randhir Singh S/o Shri

Nathu Singh, Village & Post: Bharatpur, Tehsil: Simariya, Dist.: Panna

Sample collected by : SCS Representative

	Results	IS -	Protocol		
Parameter		Requirement (Acceptable Limit) Permissible Limit in absence of alternate source			
Bacteriological Quality of	of Water		AU STATE OF THE ST		
Total Coliform	10 CFU	Shall not be detectable in any 100ml sample		IS 15185	
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185	

Per pro SCS Enviro Services Pvt. Ltd.,

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2019 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-4001:2015 CERTIFIED LABORATORY
ISO-4501:2018 CERTIFIED LABORATORY
ISO-4501:2018 CERTIFIED LABORATORY

e of Registration: 21.04.2022
Date of Report: 14.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

: Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing : 26.04.2022

Date of start of testing
Date of end of testing

27.04.2022 14.05.2022

GPS Coordinates of the Location

24°18'01.5"N 80°00'0.2"E

Details of Sample

Water sample collected from Govt Handpump near house of Rajaram Modi

S/o Shri Hardin Modi, Village: Mahod, Tehsil: Simariya, Dist.: Panna

Sample collected by

: SCS Representative

	Results	ts IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and	d Physical Parameter	'S		
Temperature	31.7 °C	-		APHA (23rdEdition) 2550B
Color, Hazen Units	<1	5	15	APHA (23rdEdition) 2120B
Odour	Agreeable	Agrecable	Agreeable	
Taste	Agreeable	Agreeable	Agreeable	
pH	6.61	6.5 - 8.5	No Relaxation	APHA (23rdEdition) 4500- H +
Turbidity, NTU	0.24	1	5	APHA (23rdEdition) 2130
Total Solids	587.00 Mg/L		-	APHA (23rdEdition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-		APHA (23rdEdition) 2540 D
Total Dissolved Solids	587.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rdEdition) 2540 C
Electrical Conductivity	843 μS/cm		-	APHA (23rd Edition) 2510B
Table 2: General Parame	ters Concerning Sub	stances Undestrab	le in Excess Amounts	, , , , , , , , , , , , , , , , , , , ,
Aluminum as Al	< 0.01 Mg/L		0.2 Mg/L	APHA (23rdEdition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rdEdition) 4500B-B
Calcium as Ca	99.20 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as CI	25.99 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rdEdition) 4500 Cl B
Copper as Cu	< 0.01 Mg/L	The second secon	1.5 Mg/L	APHA (23rdEdition) 3111B
Fluoride as F	0.52 Mg/L		1.5 Mg/L	APHA (23rdEdition) 4500 F D
Iron as Fe	0.03 Mg/L		No Relaxation	APHA (23rdEdition) 3111B
Magnesium as Mg	18.47 Mg/L	The state of the s	100 Mg/L	APHA (23rdEdition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rdEdition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE. RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY vide S.C. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9901:2015 CERTIFIED LABORATORY ISO-44091:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/2022042199	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/99(2/4)	Date of Report: 14.05.2022
	Date of Kepol

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

26.04.2022

Date of end of testing

27.04.2022 14.05.2022

GPS Coordinates of the : Location

24°18'01.5"N 80°00'00.2"E

Details of Sample

Water sample collected from Govt Handpump near house of Rajaram Modi S/o

Shri Hardin Modi, Village: Mahod, Tehsil: Simariya, Dist.: Panna

Sample collected by SCS Representative

	Results	IS - 1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO <sub>3</sub>	9.6 Mg/L	45 Mg/L	No relaxation	APHA (23rdEdition) 4500 NO <sub>3</sub> -B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L	-		APHA (23rdEdition) 4500 NO2
Oil & Grease	< 0.2 Mg/L		_	APHA (23rdEdition) 5520B
Phenolic Compounds as C6H5OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rdEdition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3114B&C
Sulphate as SO <sub>4</sub>	77.77 Mg/L	200 Mg/L	400 Mg/L	APHA (23rdEdition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 E
Total Alkalinity as CaCO <sub>3</sub>	324.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2320
Total Hardness as CaCO <sub>3</sub>	324.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rdEdition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rdEdition) 3111B
Table 3: Parameters containing	Toxic Substances	-		
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rdEdition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rdEdition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rdEdition) 3111B
Total Phosphate	< 0.50 Mg/L			APHA (23rdEdition) 4500 PC
Sodium as Na	29.80 Mg/L	-		APHA (23rdEdition) 3500 B
Potassium as K	1.19 Mg/L	-		APHA (23rdEdition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

FRVI Deceen JAIPUR Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/99	
	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/99(3/4)	Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

: Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

26.04.2022

Date of end of testing

: 27.04.2022 : 14.05.2022

GPS Coordinates of the : Location

24°18'01.5"N

Details of Sample

80°00'00.2"E

Water sample collected from Govt Handpump near house of Rajaram Modi S/o

Shri Hardin Modi, Village: Mahod, Tehsil: Simariya, Dist.: Panna

Sample collected by : SCS Representative

	Results	IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L		20µg/L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2µg/L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 μg/L	USEPA Method No. 508
α-НСН	< 0.01 µg/L		0.01 µg/L	USEPA Method No. 508
β-НСН	< 0.04 µg / L		0.04µg/L	USEPA Method No. 508
Butachlor	< 10.0 µg/L		125µg/L	USEPA Method No. 525.2 & 8141A
Chlorphyrifos	< 1.0 µg/L		30μg/L	USEPA Method No. 525.2 & 8141A
δ-НСН	< 0.04 μg / L	0.04µg/L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg/L		30 μg/L,	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 µg/L	1μg/L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg/L		0.4µg/L	USEPA Method No. 508
Ethion	< 0.10 µg / L		3µg/L	USEPA Method No. 1657A
у-НСН	< 0.10 µg/L	84	2μg/L	USEPA Method No. 508
Isoproturon	< 1.0 µg/L		9µg/L	USEPA Method No. 532
Malathion	< 10.0 µg/L		190µg/L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg/L		0.3μg/L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg/L			USEPA Method No. 8141A
Phorate	< 0.10 µg/L		2μg/L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	<0.0001 Mg/L			APHA (23rdEdition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,



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- The sample will be destroyed after 15 days from the date of issue of the test report.
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- All disputes are subjected to Jaipur jurisdiction.

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/99	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/99(4/4)	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Date of Report: 14.05.2022

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt

26.04.2022

Date of start of testing Date of end of testing GPS Coordinates of the

27.04.2022 : 14.05.2022

Location

24°18'01.5"N 80°00'00.2"E

Details of Sample

Water sample collected from Govt Handpump near house of Rajaram Modi S/o

Shri Hardin Modi, Village: Mahod, Tehsil: Simariya, Dist.: Panna

Sample collected by

: SCS Representative

	Results	IS-	Protocol		
Parameter		Requirement (Acceptable Limit) Permissible Limit in absence of alternate source			
Bacteriological Quality of	f Water				
Total Coliform	18 CFU	Shall not be detectable in any 100ml sample		IS 15185	
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185	

Per pro SCS Enviro Services Pvt. Ltd.,

() ecelles Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/76	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/76(1/4)	
	Date of Report: 08.05.2022

#### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

: Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

: 26.04.2022 : 27.04.2022

Date of end of testing GPS Coordinates of the Location

: 08.05.2022 : 24°21'02.8"N 79°54'47.0"E

Details of Sample Sample collected by : Surface Water, Sonar River

: SCS Representative

	Results	IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	Construction of the Constr
Table 1: Organoleptic and	Physical Parameter	S		
Temperature, °C	31.5	-		APHA (23rd Edition) 2550B
Color, Hazen Units	<1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	6.85	6.5 - 8.5	No Relaxation	APHA (23rd Edition) 4500- H +
Turbidity, NTU	0.19	1	5	APHA (23rd Edition) 2130
Total Solids	608 Mg/L	: 🖦	_	APHA (23rd Edition) 2540 B
Total Suspended Solids	9 Mg/L		780	APHA (23rd Edition) 2540 D
Total Dissolved Solids	597 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	855 μS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Paramete	ers Concerning Sub	stances Undesirab	le in Excess Amounts	, , , , , , , , , , , , , , , , , , , ,
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L		No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
BOD	5.7 Mg/L	-		IS 3025 (Part 44)
COD	20.00 Mg/L	-	-	APHA (23rd Edition) 5220B
Calcium as Ca	88.00 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	27.99 Mg/L	250 Mg/L	1,000 Mg/L	
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Dissolved Oxygen	3.2 Mg/L		-	IS 3025 (Part 38)
Fluoride as F	0.84 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.03 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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The liability of the laboratory is limited to the invoiced amount.



7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/76	Data of Desistant' 21 04 2022
Report No. SCS/JKCL/W/20220421/76(2/4)	Date of Registration: 21.04.2022
Report No. Beb/BRCL/ W/20220421/70(2/4)	Date of Report: 08.05.2022

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt

26.04.2022

Date of start of testing Date of end of testing

27.04.2022 08.05.2022

GPS Coordinates of the Location

24°21'02.8"N 79°54'47.0"E

Details of Sample Sample collected by Surface Water, Sonar River

SCS Representative

<u> </u>	Results	IS - 1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Magnesium as Mg	35.96 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B
Nitrate as NO <sub>3</sub>	3.97 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO <sub>3</sub> -B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L	-	-	APHA (23rd Edition) 4500 NO <sub>2</sub>
Oil & Grease	< 0.2 Mg/L	-	_	APHA (23rd Edition) 5520B
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B&C
Sulphate as SO <sub>4</sub>	245.39 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO <sub>3</sub>	164.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO <sub>3</sub>	368.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B
Table 3: Parameters containing		5		Tara (abra Baldon) 3111B
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	0.72 Mg/L	н	-	APHA (23rd Edition) 4500 PC
Sodium as Na	25.61 Mg/L	-	-	APHA (23rd Edition) 3500 B
Potassium as K	4.89 Mg/L	-	-	APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/76	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/76(3/4)	220 70 200000
	Date of Report: 08.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling
Date of start of testing

: 26.04.2022 : 27.04.2022

Date of end of testing :
GPS Coordinates of the :

: 08.05.2022 : 24°21'02.8"N

Location

79°54'47.0"E

Details of Sample Sample submitted by Surface Water, Sonar River

: SCS Representative

	Results	IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L		20 μg / L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2 μg / L	USEPA Method No. 525.2 & 8141 A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 μg / L	USEPA Method No. 508
α-НСН	< 0.01 µg / L		0.01 μg / L	USEPA Method No. 508
β-НСН	< 0.04 μg / L		0.04 μg / L	USEPA Method No. 508
Butachlor	< 10.0 µg / L		125 μg / L	USEPA Method No. 525.2 & 8141A
Chlorphyrifos	< 1.0 μg / L		30 μg / L	USEPA Method No. 525.2 & 8141A
δ-НСН	< 0.04 µg / L		0.04 μg / L	USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 μg / L		30 μg / L	USEPA Method No. 515.1
DDT (o, p and p, p isomers of DDT, DDE and DDD	< 0.10 μg / L		1 μg / L	USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4 μg / L	USEPA Method No. 508
Ethion	< 0.10 µg / L		3 μg / L	USEPA Method No. 1657A
ү-НСН	< 0.10 µg / L		2 μg / L	USEPA Method No. 508
Isoproturon	< 1.0 μg / L		9 μg / L	USEPA Method No. 532
Malathion	< 10.0 μg / L		190 μg / L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 μg / L		0.3 μg / L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L		1 μg / L	USEPA Method No. 8141A
Phorate	< 0.10 µg / L		2 μg / L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L		L No relaxation	APHA (23rd Edition) 6440

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/76	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/76(4/4)	
	Date of Report: 08.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing

26.04.2022 : 27.04.2022

Date of end of testing

: 08.05.2022 GPS Coordinates of the : 24°21'02.8"N

Location

79°54'47.0"E

Details of Sample

: Surface Water, Sonar River

Sample submitted by : SCS Representative

	Results	IS -	Protocol	
Parameter		Requirement (Acceptable Limit) Permissible Limit in absence of alternate source		
Bacteriological Quality of	of Water			
Total Coliform	35 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960 MoEF&CC RECOGNIZED LABORATORY MOEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/77	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/77(1/4)	Date of Report: 08.05.2022
	Date of Report: 08.05.2022

### TEST REPORT

Name of Client M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt : 26.04.2022 Date of start of testing : 27.04.2022 Date of end of testing : 08.05.2022 GPS Coordinates of the Location : 24°17'56.4"N

79°57'52.3"E

Details of Sample : Surface Water, Ken River Sample collected by : SCS Representative

25	Results	IS - 10500:2012		Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and	Physical Parameter	S		
Temperature, °C	29.9			APHA (23rd Edition) 2550B
Color, Hazen Units	<1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	
Taste	Agreeable	Agreeable	Agreeable	
pH	7.39	6.5 - 8.5	No Relaxation	APHA (23rd Edition) 4500- H +
Turbidity, NTU	1.13	1	5	APHA (23rd Edition) 2130
Total Solids	309 Mg/L	₩.	15	APHA (23rd Edition) 2540 B
Total Suspended Solids	6 Mg/L	141	-	APHA (23rd Edition) 2540 D
Total Dissolved Solids	303 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	452 μS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Paramete	ers Concerning Sub	stances Undesirab	le in Excess Amounts	(2010 2010) 20102
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
BOD	< 2.00 Mg/L	-	-	IS 3025 (Part 44)
COD	< 5.00 Mg/L	-	_	APHA (23rd Edition) 5220B
Calcium as Ca	28.80 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	29.99 Mg/L	250 Mg/L	1,000 Mg/L	
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Dissolved Oxygen	4.4 Mg/L	-	-	IS 3025 (Part 38)
Fluoride as F	0.60 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.02 Mg/L	0.3 Mg/L	No Relaxation	

Per pro SCS Enviro Services Pvt. Ltd.,

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960 MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/77	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/77(2/4)	Date of Registration, 21:04:2022
	Date of Report: 00.05.2022

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

: 26.04.2022 : 27.04.2022

Date of end of testing GPS Coordinates of the Location

: 08.05.2022 : 24°17'56.4"N 79°57'52.3"E

Details of Sample Sample collected by

: Surface Water, Ken River : SCS Representative

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	20.000.000.000.000000000000000000000000
Magnesium as Mg	17.50 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B
Nitrate as NO <sub>3</sub>	3.21 Mg/L	45 Mg/L	No relaxation	
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L	-	_	APHA (23rd Edition) 4500 NO <sub>2</sub>
Oil & Grease	< 0.2 Mg/L	-		APHA (23rd Edition) 5520B
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B&C
Sulphate as SO <sub>4</sub>	12.38 Mg/L	200 Mg/L	400 Mg/L	
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO <sub>3</sub>	180.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO <sub>3</sub>	144.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	
Table 3: Parameters containing	Toxic Substances			(2010 2011011) 31112
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	24.90 Mg/L	-	-	APHA (23rd Edition) 3500 B
Potassium as K	5.09 Mg/L	-		APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Deleus Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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The sample will be destroyed after 15 days from the date of issue of the test report.

The liability of the laboratory is limited to the invoiced amount.

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/77	Date of Pagistration, 21 04 2022
Report No. SCS/JKCL/W/20220421/77(3/4)	Date of Registration: 21.04.2022
	Date of Report: 08.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

: Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing

: 26.04.2022 : 27.04.2022 : 08.05.2022

Date of end of testing GPS Coordinates of the : 24°17'56.4"N Location

79°57'52.3"E

Details of Sample Sample submitted by : Surface Water, Ken River

: SCS Representative

	Results IS - 10500:2012		Protocol		
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Pesticides Residues					
Alachlor	< 0.10 µg / L		20 μg / L	USEPA Method No. 525.2 & 507	
Atrazine	< 0.10 µg / L		2 μg / L	USEPA Method No. 525.2 & 8141A	
Aldrin / Dieldrin	< 0.03 µg / L		0.03 μg / L	USEPA Method No. 508	
α-НСН	< 0.01 µg / L		0.01 μg/L	USEPA Method No. 508	
β-НСН	< 0.04 µg / L		0.04 μg / L	USEPA Method No. 508	
Butachlor	< 10.0 µg / L		125 μg / L	USEPA Method No. 525,2 & 8141A	
Chlorphyrifos	< 1.0 µg / L		30 μg / L	USEPA Method No. 525.2 & 8141 A	
δ-НСН	< 0.04 µg / L		0.04 μg/L	USEPA Method No. 508	
2,4 Dichlorophenoxyacetic acid	< 1.0 μg / L	30 μg / L		USEPA Method No. 515.1	
DDT (o, p and p, p isomers of DDT, DDE and DDD	< 0.10 μg / L		1 μg / L	USEPA Method No. 508	
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4 μg / L	USEPA Method No. 508	
Ethion	< 0.10 µg / L		3 μg / L	USEPA Method No. 1657A	
у-НСН	< 0.10 µg / L		2 μg / L	USEPA Method No. 508	
Isoproturon	< 1.0 µg / L		9 μg / L	USEPA Method No. 532	
Malathion	< 10.0 µg / L		190 μg / L	USEPA Method No. 8141A	
Methyl Parathion	< 0.10 µg / L		0.3 μg / L	USEPA Method No. 8141A	
Monocrotophos	< 0.10 µg / L		1 μg / L	USEPA Method No. 8141A	
Phorate	< 0.10 µg / L		2 μg/L	USEPA Method No. 8141A	
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L		L No relaxation	APHA (23rd Edition) 6440	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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All disputes are subjected to Jaipur jurisdiction.

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/77	
	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/77(4/4)	Date of Report: 08.05.2022

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

: Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing

: 26.04.2022 : 27.04.2022 : 08.05.2022

Date of end of testing

GPS Coordinates of the : 24°17'56.4"N

Location

79°57'52.3"E

Details of Sample Sample submitted by

: Surface Water, Ken River : SCS Representative

	Results	IS - 10500:2012		Protocol	
Parameter		Requirement (Acceptable Limit) Permissible Limit in absence of alternate source			
Bacteriological Quality	of Water				
Total Coliform	14 CFU	Shall not be detectable in any 100ml sample		IS 15185	
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY

ISO-45001:2018 CERTIFIED LABORATORY

C I IN N CCCCIO	
Sample ID No.: SCS/W/20220421/78	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/78(1/4)	Date of Report: 08.05.2022
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Date of Report. 00.03.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

26.04.2022 27.04.2022

Date of end of testing

08.05.2022 : 24°20'19.0"N

GPS Coordinates of the Location

79°58'21.7"E

Details of Sample

: Surface Water, Pond Near Deora Village

Sample collected by

: SCS Representative

	Results	IS-1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and	Physical Parameter	s		
Temperature, °C	31.8		-	APHA (23rd Edition) 2550B
Color, Hazen Units	< 1	5	15	
Odour	Agreeable	Agreeable	Agreeable	
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
рН	6.84	6.5 – 8.5	No Relaxation	
Turbidity, NTU	4.81	1	5	APHA (23rd Edition) 2130
Total Solids	292 Mg/L	-	-	APHA (23rd Edition) 2540 B
Total Suspended Solids	14 Mg/L	-	_	APHA (23rd Edition) 2540 D
Total Dissolved Solids	278 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	398 μS/cm	-		APHA (23rd Edition) 2510B
Table 2: General Paramete		stances Undesirah	le in Excess Amounts	The Case Saltion) 25.05
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L		APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L		IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
BOD	3.4 Mg/L			IS 3025 (Part 44)
COD	12.00 Mg/L	-		APHA (23rd Edition) 5220B
Calcium as Ca	44.80 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	25.99 Mg/L	250 Mg/L	1,000 Mg/L	
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	
Dissolved Oxygen	3.7 Mg/L	-	-	IS 3025 (Part 38)
Fluoride as F	0.68 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.02 Mg/L	0.3 Mg/L	No Relaxation	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) **Authorised Signatory** 

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/78	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/78(2/4)	Date of Report: 08.05.2022
\	Date of Report: 08.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt

26.04.2022

Date of start of testing Date of end of testing

27.04.2022 : 08.05.2022

GPS Coordinates of the Location

: 24°20'19.0"N 79°58'21.7"E

Details of Sample Sample collected by : Surface Water, Pond Near Deora Village

: SCS Representative

_	Results	IS - 10	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Magnesium as Mg	15.55 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B
Nitrate as NO <sub>3</sub>	2.98 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO <sub>3</sub> -B
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L		_	APHA (23rd Edition) 4500 NO <sub>2</sub>
Oil & Grease	< 0.2 Mg/L	-	4	APHA (23rd Edition) 5520B
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B&C
Sulphate as SO <sub>4</sub>	60.56 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO <sub>3</sub>	116.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO <sub>3</sub>	176.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B
Table 3: Parameters containing	Toxic Substances	3		Tallit (Esta Edition) 5111B
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg/L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	8.54 Mg/L	(9)	-	APHA (23rd Edition) 3500 B
Potassium as K	5.71 Mg/L	-		APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/78	Data of Decistration 21 04 2022
Report No. SCS/JKCL/W/20220421/78(3/4)	Date of Registration: 21.04.2022
	Date of Report: 08.05.2022

#### TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

 Date of Sampling
 : 26.04.2022

 Date of start of testing
 : 27.04.2022

 Date of end of testing
 : 08.05.2022

 GPS Coordinates of the
 : 24°20'19.0"N

 Location
 79°58'21.7"E

Details of Sample : Surface Water, Pond Near Deora Village

Sample submitted by : SCS Representative

	Results	IS -	10500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 μg/L		20 μg / L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2 μg/L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 μg / L	USEPA Method No. 508
α-НСН	< 0.01 µg / L		0.01 μg / L	USEPA Method No. 508
β-НСН	< 0.04 µg / L		0.04 μg / L	USEPA Method No. 508
Butachlor	< 10.0 µg / L		125 μg / L	USEPA Method No. 525.2 & 8141A
Chlorphyrifos	< 1.0 μg / L			USEPA Method No. 525.2 & 8141A
δ-НСН	< 0.04 µg / L			USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 μg / L			USEPA Method No. 515.1
DDT (o, p and p, p isomers of DDT, DDE and DDD	< 0.10 μg / L	1/1		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4 μg / L	USEPA Method No. 508
Ethion	< 0.10 μg / L		3 μg/L	USEPA Method No. 1657A
у-НСН	< 0.10 µg / L		2 μg / L	USEPA Method No. 508
Isoproturon	< 1.0 μg / L		9 μg / L	USEPA Method No. 532
Malathion	< 10.0 µg / L			USEPA Method No. 8141A
Methyl Parathion	< 0.10 μg / L			USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L			USEPA Method No. 8141A
Phorate	< 0.10 µg / L			USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L		No relaxation	APHA (23rd Edition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/78	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/78(4/4)	The state of the s
	Date of Report: 08.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling

26.04.2022 27.04.2022

Date of start of testing Date of end of testing

08.05.2022 24°20'19.0"N

GPS Coordinates of the : Location

79°58'21.7"E

Details of Sample

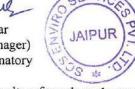
Surface Water, Pond Near Deora Village

Sample submitted by SCS Representative

	Results	IS-	Protocol		
Parameter		Requirement Permissible Limit in absence of alternate source			
Bacteriological Quality of	of Water				
Total Coliform	20 CFU	Shall not be detectable in any 100ml sample		IS 15185	
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory



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TC-6960

MoEF&CC RECOGNIZED LABORATORY vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023 ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Committee ID N. GGGGYVIAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	
Sample ID No.: SCS/W/20220421/79	Date of Registration: 21.04.2022
Report No. SCS/JKCL/W/20220421/79(1/4)	Date of Registration, 21.04.2022
210port 110. 5C5/61CCL/ 11/20220421/19(1/4)	Date of Report: 08.05.2022

#### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt Date of start of testing

26.04.2022

Date of end of testing

: 27.04.2022 : 08.05.2022

GPS Coordinates of the Location

: 24°19'00.6"N 79°58'33.9"E

Details of Sample

: Surface Water, Pond Near Puraina Village

Sample collected by

: SCS Representative

	Results	IS-1	0500:2012	Protocol
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and	Physical Parameter	s	_ miles source	
Temperature, °C	30.3	-		APHA (23rd Edition) 2550B
Color, Hazen Units	< 1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	
Taste	Agreeable	Agreeable	Agreeable	
pH	6.65	6.5 - 8.5	No Relaxation	APHA (23rd Edition) 4500- H +
Turbidity, NTU	1.26	1	5	APHA (23rd Edition) 2130
Total Solids	202 Mg/L	-	-	APHA (23rd Edition) 2540 B
Total Suspended Solids	7 Mg/L	_		APHA (23rd Edition) 2540 D
Total Dissolved Solids	195 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	276 μS/cm	-	2,000 Wg/L	APHA (23rd Edition) 2510B
Table 2: General Paramete	rs Concerning Subs	stances Undesirab	le in Excess Amounts	A 11A (231d Edition) 2310B
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
BOD	2.8 Mg/L	_	-	IS 3025 (Part 44)
COD	8.50 Mg/L	-		APHA (23rd Edition) 5220B
Calcium as Ca	22.40 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	21.99 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rd Edition) 4500 Cl <sup>-</sup> B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Dissolved Oxygen	4.0 Mg/L	-	-	IS 3025 (Part 38)
Fluoride as F	0.49 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.02 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

TC-6960 MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/79 Date of Registration: 21.04.2022 Report No. SCS/JKCL/W/20220421/79(2/4) Date of Report: 08.05.2022

### TEST REPORT

Name of Client M/S. JAYKAYCEM (CENTRAL) LTD.,

Address of Client Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sample Receipt : 26.04.2022 Date of start of testing : 27.04.2022 Date of end of testing : 08.05.2022 GPS Coordinates of the Location : 24°19'00.6"N

79°58'33.9"E

Details of Sample : Surface Water, Pond Near Puraina Village

Sample collected by : SCS Representative

	Results	IS - 10500:2012		Protocol	
Parameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Magnesium as Mg	9.72 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B	
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B	
Nitrate as NO <sub>3</sub>	2.44 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO <sub>3</sub> ·B	
Nitrite as NO <sub>2</sub>	< 0.01 Mg/L	-	_	APHA (23rd Edition) 4500 NO <sub>2</sub>	
Oil & Grease	< 0.2 Mg/L	-	-	APHA (23rd Edition) 5520B	
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C	
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B&C	
Sulphate as SO <sub>4</sub>	6.68 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E	
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E	
Total Alkalinity as CaCO <sub>3</sub>	112.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320	
Total Hardness as CaCO <sub>3</sub>	96.00 Mg/L	200 Mg/L	600 Mg/L		
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B	
Table 3: Parameters containing	Toxic Substances	3		THE THE (ESTA EUTON) STEED	
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg / L	No relaxation	APHA (23rd Edition) 3111B	
Cyanide	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 CN C & E	
Lead as Pb	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3111B	
Mercury as Hg	< 0.001 Mg/L	0.001 Mg/L	No relaxation	APHA (23rd Edition) 3112B	
Nickel as Ni	< 0.01 Mg/L	0.02 Mg/L	No relaxation	APHA (23rd Edition) 3111B	
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg/L	0.05 Mg / L	APHA (23rd Edition) 3114B	
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 3111B	
Total Phosphate	< 0.50 Mg/L	- 1110		APHA (23rd Edition) 4500 PC	
Sodium as Na	11.43 Mg/L		_	APHA (23rd Edition) 3500 B	
Potassium as K	7.03 Mg/L	-	-	APHA (23rd Edition) 3500 B	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager) Authorised Signatory

The results refer only to the tested sample and applicable parameters.

This report in full or in part, shall not be used for advertising or as evidence in any court of law.

This report cannot be reproduced without the written permission of the director.

The sample will be destroyed after 15 days from the date of issue of the test report.

The liability of the laboratory is limited to the invoiced amount.

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/79	Data of Designation 21 04 2022
Report No. SCS/JKCL/W/20220421/79(3/4)	Date of Registration: 21.04.2022
	Date of Report: 08.05.2022

### TEST REPORT

Name of Client

M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

Location

Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing

26.04.2022 27.04.2022 : 08.05.2022

Date of end of testing GPS Coordinates of the : 24°19'00.6"N

79°58'33.9"E

Details of Sample

Surface Water, Pond Near Puraina Village

Sample submitted by : SCS Representative

	Results	IS - 10500:2012		Protocol	
arameter		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source		
Pesticides Residues			The state source		
Alachlor	< 0.10 μg / L		20 μg / L	USEPA Method No. 525.2 & 507	
Atrazine	< 0.10 µg / L		2 μg / L	USEPA Method No. 525.2 & 8141A	
Aldrin / Dieldrin	< 0.03 μg / L		0.03 μg / L	USEPA Method No. 508	
α-НСН	< 0.01 µg / L		0.01 µg/L	USEPA Method No. 508	
β-НСН	< 0.04 µg / L		0.04 μg / L	USEPA Method No. 508	
Butachlor	< 10.0 μg / L		125 μg / L	USEPA Method No. 525.2 & 8141A	
Chlorphyrifos	< 1.0 μg / L		30 μg / L	USEPA Method No. 525.2 & 8141A	
δ-НСН	< 0.04 µg / L		0.04 μg / L	USEPA Method No. 508	
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L		30 μg / L	USEPA Method No. 515.1	
DDT (o, p and p, p isomers of DDT, DDE and DDD	< 0.10 μg / L		1 μg/L	USEPA Method No. 508	
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4 μg / L	USEPA Method No. 508	
Ethion	< 0.10 μg / L		3 μg / L	USEPA Method No. 1657A	
γ-НСН	< 0.10 µg / L		2 μg / L	USEPA Method No. 508	
Isoproturon	< 1.0 μg / L		9 μg / L	USEPA Method No. 532	
Malathion	< 10.0 µg / L		190 μg / L	USEPA Method No. 8141A	
Methyl Parathion	< 0.10 µg / L		0.3 μg / L	USEPA Method No. 8141A	
Monocrotophos	< 0.10 µg / L		1 μg / L	USEPA Method No. 8141A	
Phorate	< 0.10 µg / L		2 μg / L	USEPA Method No. 8141A	
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L	0.0001 Mg/	L No relaxation	APHA (23rd Edition) 6440	

Per pro SCS Enviro Services Pvt. Ltd.,

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- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220421/79		
	Date of Registration: 21.04.2022	
Report No. SCS/JKCL/W/20220421/79(4/4)	Date of Report: 08.05.2022	

### TEST REPORT

Name of Client

: M/S. JAYKAYCEM (CENTRAL) LTD.,

Address Client

: Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)

Date of Sampling Date of start of testing : 26.04.2022

Date of end of testing

: 27.04.2022 : 08.05.2022 Coordinates of the : 24°19'00.6"N

**GPS** Location

79°58'33.9"E

Details of Sample

: Surface Water, Pond Near Puraina Village

Sample submitted by

: SCS Representative

	Results	IS -	Protocol	
Parameter		Requirement Permissible Limit in absence of alternate source		
Bacteriological Quality of	f Water			
Total Coliform	28 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli	Absent	Shall not be	IS 15185	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager

Authorised Signatory

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