

Name & Address of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT. -KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01123            |  |  |  |
|------------------|-------------------------------|--|--|--|
| LAB REF NO       | UES/23-24/AAQM/01123          |  |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024       |  |  |  |
| DATE OF RECEIPT  | 16/02/2024                    |  |  |  |
| DATE OF REPORT   | 20/02/2024                    |  |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/20 |  |  |  |

| SAMPLE DETAILS             |  |         |  |  |
|----------------------------|--|---------|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |         |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |         |  |  |
| SAMPLING LOCATION          | OFFICER COLONY AREA.   |         |  |  |
| DURATION OF SAMPLING       | 24 HOURS   |         |  |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   | *       |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  | 1       |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. | Will 12 |  |  |

| TEST REPORT  |       |    |     |  |
|--|-------|----|-----|--|
| PARAMETER UNIT RESULT NAAQM STANDARD METHOD REFERE                 |       |    |     | METHOD REFERENCE   |
| Particulate Matter size less than 10 microns (PM <sub>10</sub> )   | µg/m³ | 67 | 100 | IS 5182 (Part 23): 2006 & CPCB Guidelines VolI                     |
| Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> ) | µg/m³ | 32 | 60  | IS 5182 (Part 24): 2019 & CPCB Guidelines Vol IUES/SAP/A/02/PM 2.5 |
| Sulphur Dioxide (SO <sub>2</sub> )                                 | μg/m³ | 25 | 80  | IS 5182 (Part 2): 2001 & CPCB Guidelines VolI                      |
| Nitrogen Dioxide<br>(NO <sub>2</sub> )                             | μg/m³ | 30 | 80  | IS 5182 (Part 6): 2006 & CPCB Guidelines VolI                      |

Note: (a) All results are on the basis of 24hour sampling except CO, (b) N.D. - Not Detected

### REMARKS: RESULTS ARE AS ABOVE

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For ULTIMATE ENVIROLYTICAL SOLUTIONS



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Name & Address of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT. - KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01123      |                 |  |
|------------------|-------------------------|-----------------|--|
| LAB REF NO       | UES/23-24/AAQM/01123    |                 |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024 |                 |  |
| DATE OF RECEIPT  | 16/02/2024              |                 |  |
| DATE OF REPORT   | 20/02/2024              |                 |  |
| DATE OF ANALYSIS | START: 16/02/2024       | END: 20/02/2024 |  |

|                            | SAMPLE DETAILS   |  |  |
|----------------------------|--|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |  |  |
| SAMPLING LOCATION          | OFFICER COLONY AREA.   |  |  |
| DURATION OF SAMPLING       | 24 HOURS   |  |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |  |

| TEST REPORT           |       |        |                   |                       |
|-----------------------|-------|--------|-------------------|-----------------------|
| PARAMETER             | UNIT  | RESULT | NAAQM<br>STANDARD | METHOD REFERENCE      |
| Carbon Monoxide (CO)* | mg/m³ | 0.7    | 4.0               | IS 5182(Part 10):1999 |
| Mercury (Hg)          | ng/m³ | N.D.   | -                 | EPA Method IO-5       |

Note: (a) All results are on the basis of 24hour sampling except CO, (b) N.D. - Not Detected

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ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST- NONBIRRA
TEHSIL – PALI DISTT.- KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01124               |  |  |
|------------------|----------------------------------|--|--|
| LAB REF NO       | UES/23-24/AAQM/01124             |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024          |  |  |
| DATE OF RECEIPT  | 16/02/2024                       |  |  |
| DATE OF REPORT   | 20/02/2024                       |  |  |
| DATE OF ANALYSIS | START: 16/02/2024 END: 20/02/202 |  |  |

| SAMPLE DETAILS             |  |  |  |  |
|----------------------------|--|--|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |  |  |  |
| SAMPLING LOCATION          | NEAR STACK AREA  |  |  |  |
| DURATION OF SAMPLING       | 24 HOURS   |  |  |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |  |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |  |  |

| TEST REPORT   |       |        |                   |   |
|---|-------|--------|-------------------|---|
| PARAMETER   | UNIT  | RESULT | NAAQM<br>STANDARD | METHOD REFERENCE  |
| Particulate Matter<br>size less<br>than 10 microns (PM <sub>10</sub> )      | μg/m³ | 74     | 100               | IS 5182 (Part 23): 2006<br>&CPCB<br>Guidelines VolI               |
| Particulate Matter<br>size less<br>than 2.5 microns<br>(PM <sub>2.5</sub> ) | μg/m³ | 38     | 60                | IS 5182 (Part 24): 2019 & CPCB Guidelines VolIUES/SAP/A/02/PM 2.5 |
| Sulphur Dioxide (SO <sub>2</sub> )  | μg/m³ | 26     | 80                | IS 5182 (Part 2): 2001 & CPCB Guidelines VolI                     |
| Nitrogen Dioxide (NO2)  | μg/m³ | 31     | 80                | IS 5182 (Part 6): 2006 & CPCB Guidelines VolI                     |

Note: (a) All results are on the basis of 24hour sampling except CO,

(b) N.D. - Not Detected

REMARKS: RESULTS ARE AS ABOVE

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SAMPLING PROCEDURE

QUANTITY/PACKING

SAMPLE

HDD-272, PHASE III- NEAR JP CHOWK,

RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099

PH - 0771 - 4027777 / email - ultimatenviro@gmail.com

| ACB INDIA LIMITED,  2 X 50 MW POWER PLANT,  VILLAGE-RATIJA, POST-NONBIRRA  TEHSIL – PALIDISTT KORBA (C.G.) |  | REPORT NO                  | UES/TR/23-24/01124<br>UES/23-24/AAQM/01124<br>15/02/2024 - 16/02/2024 |  |
|--|--|----------------------------|---|--|
|  |  | DATE OF SAMPLING           |   |  |
|  |  | DATE OF RECEIPT 16/02/2024 |   |  |
| I Endie - PALIDIS  | II NORBA (C.G.)  | DATE OF REPORT             | 20/02/2024  |  |
|  |  | DATE OF ANALYSIS           | START: 16/02/2024   | END: 20/02/2024  |
|  |  | SAMPLE DETAILS             |   |  |
| MONITORING FOR   | AMBIENT AIR QUALITY MONI   | ITORING                    |   |  |
| CUSTOMER REF. NO.  | ACBIL/2X50 MW/ENV/WO/23  | -24/229, DATED: 17/03/2023 | j   | man in the second secon |
| SAMPLING LOCATION  | NEAR STACK AREA  | NEAR STACK AREA            |   |  |
| DURATION OF SAMPLING   | 24 HOURS   |                            |   |  |
| SAMPLE COLLECTED BY  | LABORATORY CHEMIST   |                            |   |  |
|  | The state of the s |                            |   |  |

FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO.

SO2: 30MLX1 NO. PVC BOTTLE, NO2: 30MLX1 NO. PVC BOTTLE

| TEST REPORT           |       |        |                   |                       |
|-----------------------|-------|--------|-------------------|-----------------------|
| PARAMETER             | UNIT  | RESULT | NAAQM<br>STANDARD | METHOD REFERENCE      |
| Carbon Monoxide (CO)* | mg/m³ | 0.5    | 4.0               | IS 5182(Part 10):1999 |
| Mercury (Hg)          | ng/m³ | N.D.   | -                 | EPA Method IO-5       |

Note: (a) All results are on the basis of 24hour sampling except CO,

(b) N.D. - Not Detected

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AS PER METHOD REFERENCE

RUBBER BLADDER: 1X1 NO.

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ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT. - KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01125            |  |  |  |
|------------------|-------------------------------|--|--|--|
| LAB REF NO       | UES/23-24/AAQM/01125          |  |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024       |  |  |  |
| DATE OF RECEIPT  | 16/02/2024                    |  |  |  |
| DATE OF REPORT   | 20/02/2024                    |  |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/20 |  |  |  |

| SAMPLE DETAILS             |  |  |  |  |  |
|----------------------------|--|--|--|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |  |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |  |  |  |  |
| SAMPLING LOCATION          | NEAR MAIN GATE   |  |  |  |  |
| DURATION OF SAMPLING       | 24 HOURS   |  |  |  |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |  |  |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |  |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30mLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30mLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |  |  |  |

| TEST REPORT   |       |    |     |  |  |           |                  |
|---|-------|----|-----|--|--|-----------|------------------|
| PARAMETER UNIT RESULT NAAQM STANDARD METHOD REFERENCE                       |       |    |     |  |  | PARAMETER | METHOD REFERENCE |
| Particulate Matter<br>size less<br>than 10 microns (PM <sub>10</sub> )      | μg/m³ | 75 | 100 | IS 5182 (Part 23): 2006<br>&CPCB<br>Guidelines VolI                |  |           |                  |
| Particulate Matter<br>size less<br>than 2.5 microns<br>(PM <sub>2.5</sub> ) | μg/m³ | 33 | 60  | IS 5182 (Part 24): 2019 & CPCB Guidelines Vol IUES/SAP/A/02/PM 2.5 |  |           |                  |
| Sulphur Dioxide (SO <sub>2</sub> )  | μg/m³ | 23 | 80  | IS 5182 (Part 2): 2001 & CPCB Guidelines VolI                      |  |           |                  |
| Nitrogen Dioxide (NO2)  | μg/m³ | 28 | 80  | IS 5182 (Part 6): 2006 & CPCB Guidelines VolI                      |  |           |                  |

Note: (a) All results are on the basis of 24hour sampling except CO, (b) N.D. - Not Detected

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ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT. - KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/0          | 1125            |  |  |
|------------------|-------------------------|-----------------|--|--|
| LAB REF NO       | UES/23-24/AAQM/01125    |                 |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024 |                 |  |  |
| DATE OF RECEIPT  | 16/02/2024              |                 |  |  |
| DATE OF REPORT   | 20/02/2024              |                 |  |  |
| DATE OF ANALYSIS | START: 16/02/2024       | END: 20/02/2024 |  |  |

| SAMPLE DETAILS             |  |  |  |  |
|----------------------------|--|--|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |  |  |  |
| SAMPLING LOCATION          | NEAR MAIN GATE   |  |  |  |
| DURATION OF SAMPLING       | 24 HOURS   |  |  |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |  |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30mLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30mLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |  |  |

| TEST REPORT   |       |      |     |                       |
|---|-------|------|-----|-----------------------|
| PARAMETER UNIT RESULT NAAQM STANDARD METHOD REFERENCE |       |      |     |                       |
| Carbon Monoxide (CO)*                                 | mg/m³ | 0.6  | 4.0 | IS 5182(Part 10):1999 |
| Mercury (Hg)  | ng/m³ | N.D. | -   | EPA Method IO-5       |

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| ACB INDIA LIMITED,  2 X 50 MW POWER PLANT,  VILLAGE-RATIJA, POST-  NONBIRRATEHSIL – PALI DISTT KORBA (C.G.) |  | REPORT NO         | REPORT NO UES/TR/23-24/01126  LAB REF NO UES/23-24/AAQM/01126 |                 |  |
|---|--|-------------------|---|-----------------|--|
|   |  | LAB REF NO        |   |                 |  |
|   |  | DATE OF SAMPLING  | 5/02/2024   |                 |  |
|   |  | DATE OF RECEIPT   | 16/02/2024  |                 |  |
|   |  | DATE OF REPORT    | 20/02/2024  |                 |  |
|   |  | DATE OF ANALYSIS  | START: 16/02/2024   | END: 20/02/2024 |  |
|   |  | SAMPLE DETAILS    |   |                 |  |
| MONITORING FOR  | AMBIENT AIR QUALITY MONITORING   |                   |   |                 |  |
| CUSTOMER REF. NO.   | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |                   |   |                 |  |
| SAMPLING LOCATION   | NEAR CANTEEN AREA  | NEAR CANTEEN AREA |   |                 |  |
| DURATION OF<br>SAMPLING   | 24 HOURS   | 24 HOURS          |   |                 |  |
| SAMPLE COLLECTED BY   | LABORATORY CHEMIST   |                   |   |                 |  |
| SAMPLING PROCEDURE  | AS PER METHOD REFERENCE  |                   |   |                 |  |
| SAMPLE<br>QUANTITY/PACKING  | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO.  SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE  RUBBER BLADDER: 1X1 NO. |                   |   |                 |  |

| TEST REPORT  |                  |    |     |  |
|--|------------------|----|-----|--|
| PARAMETER  | METHOD REFERENCE |    |     |  |
| Particulate Matter size less than 10 microns (PM <sub>10</sub> ) | μg/m³            | 73 | 100 | IS 5182 (Part 23): 2006 &CPCB Guidelines VolI                      |
| Particulate Matter size less than 2.5 microns (PM2.5)            | ha/w³            | 36 | 60  | IS 5182 (Part 24): 2019 & CPCB Guidelines Vol IUES/SAP/A/02/PM 2.5 |
| Sulphur Dioxide (SO <sub>2</sub> )                               | μg/m³            | 27 | 80  | IS 5182 (Part 2): 2001 & CPCB Guidelines VolI                      |
| Nitrogen Dioxide (NO <sub>2</sub> )                              | μg/m³            | 32 | 80  | IS 5182 (Part 6): 2006 &CPCB<br>Guidelines VolI                    |

Note: (a) All results are on the basis of 24hour sampling except CO,

(b) N.D. - Not Detected

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Name & Address Of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT.- KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01126             |  |  |  |
|------------------|--------------------------------|--|--|--|
| LAB REF NO       | UES/23-24/AAQM/0               |  |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024        |  |  |  |
| DATE OF RECEIPT  | 16/02/2024                     |  |  |  |
| DATE OF REPORT   | 20/02/2024                     |  |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/202 |  |  |  |

| SAMPLE DETAILS             |  |  |  |  |
|----------------------------|--|--|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |  |  |  |
| SAMPLING LOCATION          | NEAR CANTEEN AREA  |  |  |  |
| DURATION OF<br>SAMPLING    | 24 HOURS   |  |  |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |  |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |  |  |

| TEST REPORT   |       |      |     |                       |
|---|-------|------|-----|-----------------------|
| PARAMETER UNIT RESULT NAAQM STANDARD METHOD REFERENCE |       |      |     |                       |
| Carbon Monoxide<br>(CO)*                              | mg/m³ | 0.5  | 4.0 | IS 5182(Part 10):1999 |
| Mercury (Hg)  | ng/m³ | N.D. | _   | EPA Method IO-5       |

Note: (a) All results are on the basis of 24hour sampling except CO, (b) N.D. - Not Detected

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Name & Address Of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT. - KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01127           |  |  |  |
|------------------|------------------------------|--|--|--|
| LAB REF NO       | UES/23-24/AAQM/01127         |  |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024      |  |  |  |
| DATE OF RECEIPT  | 16/02/2024                   |  |  |  |
| DATE OF REPORT   | 20/02/2024                   |  |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/2 |  |  |  |

| SAMPLE DETAILS             |  |  |  |  |
|----------------------------|--|--|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |  |  |  |
| SAMPLING LOCATION          | OUT SIDE PREMISES TIWARATA VILLAGE   |  |  |  |
| DURATION OF<br>SAMPLING    | 24 HOURS   |  |  |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |  |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |  |  |

| TEST REPORT   |          |    |     |  |  |  |
|---|----------|----|-----|--|--|--|
| PARAMETER UNIT RESULT NAAQM STANDARD METHOD REFE                            |          |    |     |  |  |  |
| Particulate Matter<br>size less<br>than 10 microns<br>(PM <sub>10</sub> )   | μg/m³ 68 | 68 | 100 | IS 5182 (Part 23): 2006 &CPC Guidelines VolI                       |  |  |
| Particulate Matter<br>size less<br>than 2.5 microns<br>(PM <sub>2.5</sub> ) | μg/m³    | 32 | 60  | IS 5182 (Part 24): 2019 & CPCB Guidelines Vol IUES/SAP/A/02/PM 2.5 |  |  |
| Sulphur Dioxide (SO <sub>2</sub> )  | μg/m³    | 22 | 80  | IS 5182 (Part 2): 2001 & CPCB Guidelines VolI                      |  |  |
| Nitrogen Dioxide (NO <sub>2</sub> )   | μg/m³    | 26 | 80  | IS 5182 (Part 6): 2006 &CPCB<br>Guidelines VolI                    |  |  |

Note: (a) All results are on the basis of 24hour sampling except CO, (b) N.D. - Not Detected

REMARKS: RESULTS ARE AS ABOVE

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**AUTHORIZED SIGNATORY** 



Name & Address Of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT. - KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01127            |  |  |  |
|------------------|-------------------------------|--|--|--|
| LAB REF NO       | UES/23-24/AAQM/01127          |  |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024       |  |  |  |
| DATE OF RECEIPT  | 16/02/2024                    |  |  |  |
| DATE OF REPORT   | 20/02/2024                    |  |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/20 |  |  |  |

|                            | SAMPLE DETAILS   |   |
|----------------------------|--|---|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |   |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |   |
| SAMPLING LOCATION          | OUT SIDE PREMISES TIWARATA VILLAGE   | *************************************** |
| DURATION OF<br>SAMPLING    | 24 HOURS   |   |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |   |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |   |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |   |

| TEST REPORT              |       |        |                        |                       |  |
|--------------------------|-------|--------|------------------------|-----------------------|--|
| PARAMETER                | UNIT  | RESULT | NAAQM METHOD REFERENCE |                       |  |
| Carbon Monoxide<br>(CO)* | mg/m³ | 0.4    | 4.0                    | IS 5182(Part 10):1999 |  |
| Mercury (Hg)             | ng/m³ | N.D.   | -                      | EPA Method IO-5       |  |

Note: (a) All results are on the basis of 24hour sampling except CO, (b) N.D. - Not Detected

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Name & Address Of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT.- KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01128              |  |  |  |
|------------------|---------------------------------|--|--|--|
| LAB REF NO       | UES/23-24/AAQM/01128            |  |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024         |  |  |  |
| DATE OF RECEIPT  | 16/02/2024                      |  |  |  |
| DATE OF REPORT   | 20/02/2024                      |  |  |  |
| DATE OF ANALYSIS | START: 16/02/2024 END: 20/02/20 |  |  |  |

|                            | SAMPLE DETAILS   |  |  |  |
|----------------------------|--|--|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229, DATED: 17/03/2023  |  |  |  |
| SAMPLING LOCATION          | OUT SIDE PREMISES CHAINPUR VILLAGE   |  |  |  |
| DURATION OF SAMPLING       | 24 HOURS   |  |  |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |  |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |  |  |

| TEST REPORT   |       |        |                   |  |  |  |
|---|-------|--------|-------------------|--|--|--|
| PARAMETER   | UNIT  | RESULT | NAAQM<br>STANDARD | METHOD REFERENCE  IS 5182 (Part 23): 2006 &CPCE Guidelines VolI    |  |  |
| Particulate Matter<br>size less<br>than 10 microns<br>(PM <sub>10</sub> )   | μg/m³ | 72     | 100               |  |  |  |
| Particulate Matter<br>size less<br>than 2.5 microns<br>(PM <sub>2.5</sub> ) | μg/m³ | 33     | 60                | IS 5182 (Part 24): 2019 & CPCB Guidelines Vol IUES/SAP/A/02/PM 2.5 |  |  |
| Sulphur Dioxide (SO <sub>2</sub> )  | μg/m³ | 22     | 80                | IS 5182 (Part 2): 2001 & CPCB Guidelines VolI                      |  |  |
| Nitrogen Dioxide (NO2)  | μg/m³ | 27     | 80                | IS 5182 (Part 6): 2006 &CPCB<br>Guidelines VolI                    |  |  |

Note: (a) All results are on the basis of 24hour sampling except CO, (b) N.D. - Not Detected

REMARKS: RESULTS ARE AS ABOVE

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Name & Address Of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT.- KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01128            |  |  |
|------------------|-------------------------------|--|--|
| LAB REF NO       | UES/23-24/AAQM/01128          |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024       |  |  |
| DATE OF RECEIPT  | 16/02/2024                    |  |  |
| DATE OF REPORT   | 20/02/2024                    |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/20 |  |  |

|                            | SAMPLE DETAILS   |
|----------------------------|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |
| SAMPLING LOCATION          | OUT SIDE PREMISES CHAINPUR VILLAGE   |
| DURATION OF SAMPLING       | 24 HOURS   |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |

| TEST REPORT   |       |      |     |                       |
|---|-------|------|-----|-----------------------|
| PARAMETER UNIT RESULT NAAQM STANDARD METHOD REFERENCE |       |      |     | METHOD REFERENCE      |
| Carbon Monoxide (CO)*                                 | mg/m³ | 0.4  | 4.0 | IS 5182(Part 10):1999 |
| Mercury (Hg)  | ng/m³ | N.D. |     | EPA Method IO-5       |

Note: (a) All results are on the basis of 24hour sampling except CO, (b) N.D. - Not Detected

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ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT.- KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01129           |  |  |  |
|------------------|------------------------------|--|--|--|
| LAB REF NO       | UES/23-24/AAQM/01129         |  |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024      |  |  |  |
| DATE OF RECEIPT  | 16/02/2024                   |  |  |  |
| DATE OF REPORT   | 20/02/2024                   |  |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/2 |  |  |  |

|                            | SAMPLE DETAILS   |  |
|----------------------------|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229, DATED: 17/03/2023  |  |
| SAMPLING LOCATION          | OUT SIDE PREMISES RENKI VILLAGE  |  |
| DURATION OF SAMPLING       | 24 HOURS   |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |

| TEST REPORT   |       |        |                   |   |  |
|---|-------|--------|-------------------|---|--|
| PARAMETER   | UNIT  | RESULT | NAAQM<br>STANDARD | METHOD REFERENCE  |  |
| Particulate Matter<br>size less<br>than 10 microns (PM <sub>10</sub> )      | μg/m³ | 79     | 100               | IS 5182 (Part 23): 2006<br>&CPCB<br>Guidelines VolI               |  |
| Particulate Matter<br>size less<br>than 2.5 microns<br>(PM <sub>2.5</sub> ) | μg/m³ | 40     | 60                | IS 5182 (Part 24): 2019 & CPCB Guidelines VolIUES/SAP/A/02/PM 2.5 |  |
| Sulphur Dioxide (SO <sub>2</sub> )  | μg/m³ | 28     | 80                | IS 5182 (Part 2): 2001 & CPCB Guidelines VolI                     |  |
| Nitrogen Dioxide (NO2)  | μg/m³ | 34     | 80                | IS 5182 (Part 6): 2006 &CPCB Guidelines VolI                      |  |

Note: (a) All results are on the basis of 24 hour sampling except CO, (b) N.D. - Not Detected

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ACB INDIA LIMITED,
2 X 50 MW POWER PLANT,
VILLAGE-RATIJA, POST-NONBIRRA
TEHSIL – PALI DISTT.- KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01129            |  |  |  |
|------------------|-------------------------------|--|--|--|
| LAB REF NO       | UES/23-24/AAQM/01129          |  |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024       |  |  |  |
| DATE OF RECEIPT  | 16/02/2024                    |  |  |  |
| DATE OF REPORT   | 20/02/2024                    |  |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/20 |  |  |  |

| SAMPLE DETAILS             |  |  |  |  |
|----------------------------|--|--|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |  |  |  |
| SAMPLING LOCATION          | OUT SIDE PREMISES RENKI VILLAGE  |  |  |  |
| DURATION OF SAMPLING       | 24 HOURS   |  |  |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST   |  |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |  |  |

| TEST REPORT           |  |      |     |                       |  |
|-----------------------|--|------|-----|-----------------------|--|
| PARAMETER             | UNIT RESULT NAAQM STANDARD METHOD REFERENC |      |     |                       |  |
| Carbon Monoxide (CO)* | mg/m <sup>3</sup>                          | 0.7  | 4.0 | IS 5182(Part 10):1999 |  |
| Mercury (Hg)          | ng/m³                                      | N.D. | -   | EPA Method IO-5       |  |

Note: (a) All results are on the basis of 24 hour sampling except CO, (b) N.D. - Not Detected

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Name & Address Of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT.- KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01130           |  |  |
|------------------|------------------------------|--|--|
| LAB REF NO       | UES/23-24/AAQM/01130         |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024      |  |  |
| DATE OF RECEIPT  | 16/02/2024                   |  |  |
| DATE OF REPORT   | 20/02/2024                   |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/2 |  |  |

| SAMPLE DETAILS             |  |  |  |  |
|----------------------------|--|--|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |  |  |  |
| SAMPLING LOCATION          | OUT SIDE PREMISES RATIJA VILLAGE   |  |  |  |
| DURATION OF<br>SAMPLING    | 24 HOURS   |  |  |  |
| SAMPLE COLLECTED<br>BY     | LABORATORY CHEMIST   |  |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30mLx1 NO. PVC BOTTLE, NO <sub>2</sub> : 30mLx1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |  |  |

| TEST REPORT   |       |    |     |   |  |
|---|-------|----|-----|---|--|
| PARAMETER UNIT RESULT NAAQM STANDARD METHOD REFERENCE                       |       |    |     |   |  |
| Particulate Matter<br>size less<br>than 10 microns (PM <sub>10</sub> )      | μg/m³ | 80 | 100 | IS 5182 (Part 23): 2006<br>&CPCB<br>Guidelines VolI               |  |
| Particulate Matter<br>size less<br>than 2.5 microns<br>(PM <sub>2.5</sub> ) | μg/m³ | 36 | 60  | IS 5182 (Part 24): 2019 & CPCB Guidelines VolIUES/SAP/A/02/PM 2.5 |  |
| Sulphur Dioxide (SO <sub>2</sub> )  | μg/m³ | 28 | 80  | IS 5182 (Part 2): 2001 & CPCB Guidelines VolI                     |  |
| Nitrogen Dioxide (NO2)  | μg/m³ | 33 | 80  | IS 5182 (Part 6): 2006 &CPCB Guidelines VolI                      |  |

Note: (a) All results are on the basis of 24hour sampling except CO, (b) N.D. - Not Detected

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Name & Address Of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT.- KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/01130            |  |  |
|------------------|-------------------------------|--|--|
| LAB REF NO       | UES/23-24/AAQM/01130          |  |  |
| DATE OF SAMPLING | 15/02/2024 - 16/02/2024       |  |  |
| DATE OF RECEIPT  | 16/02/2024                    |  |  |
| DATE OF REPORT   | 20/02/2024                    |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/20 |  |  |

| SAMPLE DETAILS             |  |  |  |  |
|----------------------------|--|--|--|--|
| MONITORING FOR             | AMBIENT AIR QUALITY MONITORING   |  |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |  |  |  |
| SAMPLING LOCATION          | OUT SIDE PREMISES RATIJA VILLAGE   |  |  |  |
| DURATION OF<br>SAMPLING    | 24 HOURS   |  |  |  |
| SAMPLE COLLECTED<br>BY     | LABORATORY CHEMIST   |  |  |  |
| SAMPLING PROCEDURE         | AS PER METHOD REFERENCE  |  |  |  |
| SAMPLE<br>QUANTITY/PACKING | FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO. |  |  |  |

| TEST REPORT           |   |      |     |                       |
|-----------------------|---|------|-----|-----------------------|
| PARAMETER             | UNIT RESULT NAAQM STANDARD METHOD REFERENCE |      |     |                       |
| Carbon Monoxide (CO)* | mg/m³                                       | 0.6  | 4.0 | IS 5182(Part 10):1999 |
| Mercury (Hg)          | ng/m³                                       | N.D. | -   | EPA Method IO-5       |

Note: (a) All results are on the basis of 24hour sampling except CO, (b) N.D. - Not Detected

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Name & Address Of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI

DISTT. - KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/00123              |  |  |  |
|------------------|---------------------------------|--|--|--|
| LAB REF NO       | UES/23-24/ST/00123              |  |  |  |
| DATE OF SAMPLING | 15/02/2024                      |  |  |  |
| DATE OF RECEIPT  | 16/02/2024                      |  |  |  |
| DATE OF REPORT   | 20/02/2024                      |  |  |  |
| DATE OF ANALYSIS | START:16/02/2024 END:20/02/2024 |  |  |  |

|                            | SAMPLE DETAILS  |  |  |  |
|----------------------------|---|--|--|--|
| MONITORING FOR             | STACK EMISSION MONITORING   |  |  |  |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023   |  |  |  |
| SAMPLING LOCATION          | STACK UNIT # I  |  |  |  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST  |  |  |  |
| SAMPLING PROCEDURE         | IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003   |  |  |  |
| SAMPLE<br>QUANTITY/PACKING | THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE. |  |  |  |

|   | TE                 | ST REPOR | T              |                        |
|---|--------------------|----------|----------------|------------------------|
| Stack details                             |                    |          |                |                        |
| STACK IDENTITY                            |                    |          | UNIT # I       |                        |
| STACK ATTACHED TO                         | Assistant as       |          | ESP            |                        |
| MATERIAL OF CONSTRUCTION                  | Assessment         |          | MS PLATE       |                        |
| STACK HEIGHT ABOVE GROUND<br>LEVEL (MTR.) |                    |          | 90             |                        |
| STACK DIAMETER                            |                    |          | 3.43           | A                      |
| STACK SHAPE AT TOP                        | CIRCULAR           |          |                |                        |
| TYPE OF FUEL                              |                    | WASH     | ERY REJECTED O | COAL                   |
| Parameter                                 | Unit               | Result   | Limit          | Method Reference       |
| FLUE GAS TEMPERATURE                      | °C /               | 132.5    |                | IS 11255 (Part 3):2008 |
| FLUE GAS VELOCITY                         | M/s                | 20.46    | <b>1</b>       | IS 11255 (Part 3):2008 |
| TOTAL GAS QUANTITY                        | Nm <sup>3</sup> /h | 499909.5 | * <del>*</del> | IS 11255 (Part 3):2008 |
| TOTAL PARTICULATE MATTER (TPM)            | mg/Nm <sup>3</sup> | 41.9     | 50             | IS 11255 (Part 1):1985 |
| SULPHUR DIOXIDE (SO2)                     | mg/Nm <sup>3</sup> | 352.4    | 600            | IS 11255 (Part 2):1985 |
| OXIDES OF NITROGEN (NOx)                  | mg/Nm <sup>3</sup> | 244.2    | 450            | IS 11255 (Part 7):2005 |

REMARKS: N.D.-NOT DETECTED

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Name & Address Of The Customer

# ACB INDIA LIMITED, 2 X 50 MW POWER PLANT, VILLAGE-RATIJA, POST-NONBIRRA TEHSIL – PALI DISTT. - KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/00123 |                 |  |
|------------------|--------------------|-----------------|--|
| LAB REF NO       | UES/23-24/ST/00123 |                 |  |
| DATE OF SAMPLING | 15/02/2024         |                 |  |
| DATE OF RECEIPT  | 16/02/2024         |                 |  |
| DATE OF REPORT   | 20/02/2024         |                 |  |
| DATE OF ANALYSIS | START: 16/02/2024  | END: 20/02/2024 |  |

|                            | SAMPLE DETAILS  |
|----------------------------|---|
| MONITORING FOR             | STACK EMISSION MONITORING   |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229, DATED: 17/03/2023   |
| SAMPLING LOCATION          | STACK UNIT # I  |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST  |
| SAMPLING PROCEDURE         | IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003   |
| SAMPLE<br>QUANTITY/PACKING | THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE. |

|   | TE                 | ST REPOR | Т              |                     |
|---|--------------------|----------|----------------|---------------------|
| Stack details                             |                    |          |                |                     |
| STACK IDENTITY                            |                    |          | UNIT # I       |                     |
| STACK ATTACHED TO                         |                    |          | ESP            |                     |
| MATERIAL OF CONSTRUCTION                  |                    |          | MS PLATE       |                     |
| STACK HEIGHT ABOVE GROUND<br>LEVEL (MTR.) | 90                 |          |                |                     |
| STACK DIAMETER                            |                    |          | 3.43           | \                   |
| STACK SHAPE AT TOP                        |                    |          | CIRCULAR       |                     |
| TYPE OF FUEL                              |                    | WASH     | ERY REJECTED O | COAL                |
| Parameter                                 | Unit               | Result   | Limit          | Method Reference    |
| CARBON MONOXIDE (CO)                      | mg/Nm <sup>3</sup> | 0.6      | -              | IS 13270            |
| MERCURY (HG)                              | mg/Nm <sup>3</sup> | N.D.     | 0.03           | USEPA Method No. 29 |

REMARKS: N.D.-NOT DETECTED

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Name & Address Of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT. - KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/00124 |                 |  |
|------------------|--------------------|-----------------|--|
| LAB REF NO       | UES/23-24/ST/00124 |                 |  |
| DATE OF SAMPLING | 15/02/2024         |                 |  |
| DATE OF RECEIPT  | 16/02/2024         |                 |  |
| DATE OF REPORT   | 20/02/2024         |                 |  |
| DATE OF ANALYSIS | START: 16/02/2024  | END: 20/02/2024 |  |

|                            | SAMPLE DETAILS  |
|----------------------------|---|
| MONITORING FOR             | STACK EMISSION MONITORING   |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023   |
| SAMPLING LOCATION          | STACK UNIT # II   |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST  |
| SAMPLING PROCEDURE         | IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003   |
| SAMPLE<br>QUANTITY/PACKING | THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE. |

|   | TES                | T REPORT                     |                |                        |
|---|--------------------|------------------------------|----------------|------------------------|
| Stack details                             |                    |                              |                |                        |
| STACK IDENTITY                            |                    |                              | UNIT # II      |                        |
| STACK ATTACHED TO                         |                    |                              | ESP            |                        |
| MATERIAL OF CONSTRUCTION                  |                    |                              | MS PLATE       |                        |
| STACK HEIGHT ABOVE GROUND<br>LEVEL (MTR.) |                    |                              | 107            |                        |
| STACK DIAMETER                            |                    | EDITORIE DE L'ANNE DE L'ANNE | 2.3            |                        |
| STACK SHAPE AT TOP                        |                    | water a post of the second   | CIRCULAR       |                        |
| TYPE OF FUEL                              |                    | WASHE                        | ERY REJECTED C | OAL                    |
| Parameter                                 | Unit               | Result                       | Limit          | Method Reference       |
| FLUE GAS TEMPERATURE                      | °C /               | 135.4                        |                | IS 11255 (Part 3):2008 |
| FLUE GAS VELOCITY                         | M/s                | <b>21</b> .32                | - 7            | IS 11255 (Part 3):2008 |
| TOTAL GAS QUANTITY                        | Nm³/h              | 232565.6                     |                | IS 11255 (Part 3):2008 |
| TOTAL PARTICULATE MATTER (TPM)            | mg/Nm <sup>3</sup> | 39.8                         | 50             | IS 11255 (Part 1):1985 |
| SULPHUR DIOXIDE (SO <sub>2</sub> )        | mg/Nm <sup>3</sup> | 342.6                        | 600            | IS 11255 (Part 2):1985 |
| OXIDES OF NITROGEN (NO <sub>x</sub> )     | mg/Nm³             | 224.6                        | 450            | IS 11255 (Part 7):2005 |

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Name & Address Of The Customer

ACB INDIA LIMITED,

2 X 50 MW POWER PLANT,

VILLAGE-RATIJA, POST-NONBIRRA

TEHSIL – PALI DISTT. - KORBA (C.G.)

| REPORT NO        | UES/TR/23-24/00124 |                 |  |
|------------------|--------------------|-----------------|--|
| LAB REF NO       | UES/23-24/ST/00124 |                 |  |
| DATE OF SAMPLING | 15/02/2024         |                 |  |
| DATE OF RECEIPT  | 16/02/2024         |                 |  |
| DATE OF REPORT   | 20/02/2024         |                 |  |
| DATE OF ANALYSIS | START: 16/02/2024  | END: 20/02/2024 |  |

|                            | START: 16/02/2024 END: 20/02/2024   |
|----------------------------|---|
|                            | SAMPLE DETAILS  |
| MONITORING FOR             | STACK EMISSION MONITORING   |
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229, DATED: 17/03/2023   |
| SAMPLING LOCATION          | STACK UNIT # II   |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST  |
| SAMPLING PROCEDURE         | IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003   |
| SAMPLE<br>QUANTITY/PACKING | THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE. |

|   | TES  | T REPOR | Г           |                     |  |
|---|--|---------|-------------|---------------------|--|
| Stack details                             |  |         |             |                     |  |
| STACK IDENTITY                            |  |         | UNIT # II   |                     |  |
| STACK ATTACHED TO                         | A STATE OF THE STA |         | ESP         |                     |  |
| MATERIAL OF CONSTRUCTION                  | AND REAL PROPERTY.   |         | MS PLATE    |                     |  |
| STACK HEIGHT ABOVE GROUND<br>LEVEL (MTR.) | 107  |         |             |                     |  |
| STACK DIAMETER                            |  | 2.3     |             |                     |  |
| STACK SHAPE AT TOP                        | CIRCULAR   |         |             |                     |  |
| TYPE OF FUEL                              |  | WASH    | ERY REJECTE | COAL                |  |
| Parameter                                 | Unit   | Result  | Limit       | Method Reference    |  |
| CARBON MONOXIDE (CO)                      | mg/Nm <sup>3</sup>   | 0.5     | -           | IS 13270            |  |
| MERCURY (HG)                              | mg/Nm <sup>3</sup>   | N.D.    | 0.03        | USEPA Method No. 29 |  |

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| ACB INDIA LIMITED,  2 X 50 MW POWER PLANT,  VILLAGE-RATIJA, POST-NONBIRRA  TEHSIL – PALI DISTT KORBA (C.G.) |        | REPORT NO                   | UES/TR/23-24/01212<br>UES/23-24/W/01212<br>15/02/2024       |  |  |
|---|--------|-----------------------------|---|--|--|
|   |        | LAB REF NO                  |   |  |  |
|   |        | DATE OF SAMPLING            |   |  |  |
|   |        | DATE OF RECEIPT             | 16/02/2024<br>20/02/2024<br>START:16/02/2024 END:20/02/2024 |  |  |
|   |        | DATE OF REPORT              |   |  |  |
|   |        | DATE OF ANALYSIS            |   |  |  |
|   | SA     | MPLE DETAILS                |   |  |  |
| CUSTMER SAMPLE ID BOREWELL NEAR DM PLANT  |        | CUSTOMER REF. NO.           | ACBIL/2X50 MW/ENV/WO/23-<br>24/229,DATED:17/03/2023         |  |  |
| SAMPLE TYPE GROUND WATER  |        | SAMPLE CONDITION AT RECEIPT | OK  |  |  |
| PACKING OF SAMPLE 4 L X 1 NO. PVC CAN 1 L X 1 NO. GLASS BOTTLE  |        | SAMPLE COLLECTED<br>BY      | CHEMIST   |  |  |
| OTHER DEATAILS  | SEALED | QUANTITY RECEIVED           | 5 LTR   |  |  |

## **REPORT NO. -01212**

| TEST REPORT |   |                |  |   |        |  |  |
|-------------|---|----------------|--|---|--------|--|--|
| SR.<br>NO.  | PARAMETER                                   | UNIT           | METHOD OF TEST                                   | ACCEPTABLE LIMIT<br>FOR DRINKING WATER<br>(IS 10500:2012) | RESULT |  |  |
| Micro       | obiological Analysis                        |                |  | A .   |        |  |  |
| 1           | Total Coliform                              | MPN/<br>100 ML | IS 16 <mark>22: 1</mark> 981: 2019               | Shall not be detectable in any 100 ml sample              | <2     |  |  |
| 2           | E – Coli                                    | MPN/<br>100 ML | IS 1622: 1981: 2019                              | Shall not be detectable in any 100 ml sample              | <2     |  |  |
| Chen        | nical Analysis                              |                |  |   | 2      |  |  |
| 1           | Colour                                      | Hazen          | IS:3025:(Part-04)                                | 5 (max)   | <1.0   |  |  |
| 2           | Turbidity                                   | NTU            | IS:3025:(Part-10)                                | 1.0 (max)   | <1.0   |  |  |
| 3           | pH at 25.4°C                                | -              | IS:3025:(Part-11)                                | 6.5 To 8.5  | 7.29   |  |  |
| 4           | Residual free chlorine                      | mg/L           | IS:3025:(Part-26)                                | 0.2 (max)   | <0.2   |  |  |
| 5           | Total Dissolved Solids                      | mg/L           | IS:3025:(Part-16)                                | 500 (max)   | 271.0  |  |  |
| 6           | Alkalinity Total<br>(as CaCO <sub>3</sub> ) | mg/L           | IS:3025:(Part-23)                                | 200 (max)   | 76.0   |  |  |
| 7           | Total Hardness ( as CaCO <sub>3</sub> )     | mg/L           | IS:3025:(Part-21)                                | 200 (max)   | 160.0  |  |  |
| 8           | Calcium (as Ca)                             | mg/L           | IS:3025:(Part-40)                                | 75 (max)  | 44.09  |  |  |
| 9           | Magnesium (as Mg)                           | mg/L           | APHA 24 <sup>th</sup> Ed.2023,3500-<br>Mg-B, 274 | 30 (max)  | 12.15  |  |  |



## **REPORT NO. -01212**

| SR. |                                |      |  | ACCEPTABLE LIMIT                      |        |
|-----|--------------------------------|------|--|---------------------------------------|--------|
| NO. | PARAMETER                      | UNIT | METHOD OF TEST   | FOR DRINKING WATER<br>(IS 10500:2012) | RESULT |
| 10  | Chloride (as CI)               | mg/L | IS:3025:(Part-32)  | 250 (max)                             | 22.9   |
| 11  | Sulphate (as SO <sub>4</sub> ) | mg/L | IS:3025:(Part-24)  | 200 (max)                             | 28.62  |
| 12  | Nitrate (NO <sub>3</sub> )     | mg/L | APHA 24 <sup>th</sup> Ed.2023,4500-<br>NO <sub>3</sub> -B, 434 | 45 (max)                              | 8.81   |
| 13  | Iron (as Fe)                   | mg/L | IS:3025:(Part-53)  | 0.3 (max)                             | <0.1   |
| 14  | Fluoride (as F)                | mg/L | IS:3025:(Part-60)  | 1.0 (max)                             | <0.1   |
| 15  | Manganese (as Mn)              | mg/L | USEPA-SW-846:Method-<br>7000B AAS: 1970                        | 0.1 (max)                             | <0.1   |
| 16  | Lead (as Pb)                   | mg/L | IS: <mark>3025:(</mark> Part-47)                               | 0.01 (max)                            | <0.1   |
| 17  | Zinc (as Zn)                   | mg/L | IS:3 <mark>025:(</mark> Part-49)                               | 5.0 (max)                             | 0.14   |
| 18  | Copper (as Cu)                 | mg/L | IS:3025:(Part-42)  | 0.05 (max)                            | <0.05  |
| 19  | Aluminium (as Al)              | mg/L | IS:3025:(Part-55)  | 0.03 (max)                            | <0.03  |
| 20  | Chromium (as Cr)               | mg/L | IS:3025:(Part-52)  | 0.001 (max)                           | <0.1   |

Note: mg/lit.: milligram per liter. N.D.: Not Detected.

# REMARKS: RESULTS ARE AS ABOVE

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| Name & Address Of The Customer                                    |                        | REPORT NO                      | UES/TR/23-24/0                                      | 01212 |
|---|------------------------|--------------------------------|---|-------|
| ACB INDIA LIM   | ITED.                  | LAB REF NO                     | UES/23-24/W/01212                                   |       |
|   | O MW POWER PLANT,      |                                | 15/02/2024  |       |
|   |                        | DATE OF RECEIPT                | 16/02/2024  |       |
| VILLAGE-RATIJA, POST-NONBIRRA<br>TEHSIL – PALI DISTT KORBA (C.G.) |                        | DATE OF REPORT                 | 20/02/2024<br>START:16/02/2024 END:20/02/202        |       |
|   |                        | DATE OF ANALYSIS               |   |       |
|   | SA                     | MPLE DETAILS                   |   |       |
| CUSTMER SAMPLE ID   | BOREWELL NEAR DM PLANT | CUSTOMER REF. NO.              | ACBIL/2X50 MW/ENV/WO/23-<br>24/229,DATED:17/03/2023 |       |
| SAMPLE TYPE   | GROUND WATER           | SAMPLE CONDITION<br>AT RECEIPT | OK  |       |
| PACKING OF SAMPLE 4 L X 1 NO. PVC CAN<br>1 L X 1 NO. GLASS BOTTLE |                        | SAMPLE COLLECTED<br>BY         | CHEMIST   |       |
| OTHER DEATAILS  | SEALED                 | QUANTITY RECEIVED              | 5 LTR   |       |

## **REPORT NO. -01212**

| TEST REPORT |                  |      |                                  |   |           |  |  |  |
|-------------|------------------|------|----------------------------------|---|-----------|--|--|--|
| SR.<br>NO.  | PARAMETER        | UNIT | METHOD OF TEST                   | ACCEPTABLE LIMIT<br>FOR DRINKING WATER<br>(IS 10500:2012) | RESULT    |  |  |  |
| Chen        | nical Analysis   |      |                                  |   |           |  |  |  |
| 21          | Taste            | -    | IS:3 <mark>025:(</mark> Part-08) | Agreeable   | Agreeable |  |  |  |
| 22          | Odour            | # H  | IS:3025:(Part-05)                | Agreeable   | Agreeable |  |  |  |
| 23          | Boron (as B)     | mg/L | IS:3025:(Part-57)                | 0.5 (max)   | N.D.      |  |  |  |
| 24          | Selenium (as Se) | mg/L | IS:3025:(Part-56)                | 0.1 (max)   | N.D.      |  |  |  |

Note: mg/lit.: milligram per liter. N.D.: Not Detected.

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| Name & Address Of The Customer   |   | REPORT NO                   | UES/TR/23-24/01213                                  |     |  |
|----------------------------------|---|-----------------------------|---|-----|--|
| ACD INDIA LIN                    |   | LAB REF NO                  | UES/23-24/W/01                                      | 213 |  |
| ACB INDIA LIN                    |   | DATE OF SAMPLING            | 15/02/2024  |     |  |
| 2 X 50 MW PO                     | WER PLANT,                                      | DATE OF RECEIPT             | 16/02/2024  |     |  |
| VILLAGE-RATI                     | JA, POST-NONBIRRA                               | DATE OF REPORT              | 20/02/2024  |     |  |
| TEHSIL – PALI DISTT KORBA (C.G.) |   | DATE OF ANALYSIS            | START:16/02/2024 END:20/02                          |     |  |
|                                  | SA  | MPLE DETAILS                |   |     |  |
| CUSTMER SAMPLE ID                | BOREWELL WATER NEAR OFFICER COLONY              | CUSTOMER REF. NO.           | ACBIL/2X50 MW/ENV/WO/23-<br>24/229,DATED:17/03/2023 |     |  |
| SAMPLE TYPE                      | GROUND WATER                                    | SAMPLE CONDITION AT RECEIPT | OK OK   |     |  |
| PACKING OF SAMPLE                | 4 L X 1 NO. PVC CAN<br>1 L X 1 NO. GLASS BOTTLE | SAMPLE COLLECTED<br>BY      | CHEMIST   |     |  |
| OTHER DEATAILS                   | SEALED  | QUANTITY RECEIVED           | 5 LTR   |     |  |

# **REPORT NO. -01213**

|            |   |                   | TEST REPORT                                      |   |        |
|------------|---|-------------------|--|---|--------|
| SR.<br>NO. | PARAMETER                                   | UNIT              | METHOD OF TEST                                   | ACCEPTABLE LIMIT<br>FOR DRINKING WATER<br>(IS 10500:2012) | RESULT |
| Mici       | robiological Analysis                       |                   |  |   |        |
| 1          | Total Coliforms                             | MPN/<br>100<br>ML | IS 162 <mark>2: 19</mark> 81: 2019               | Shall not be detectable in any 100 ml sample              | <2     |
| 2          | E – Coli                                    | MPN/<br>100<br>ML | IS 1622: 1981: 2019                              | Shall not be detectable in any 100 ml sample              | <2     |
| Che        | mical Analysis                              |                   |  |   |        |
| 1          | Colour                                      | Hazen             | IS:3025:(Part-04)                                | 5 (max)   | <1.0   |
| 2          | Turbidity                                   | NTU               | IS:3025:(Part-10)                                | 1.0 (max)   | <1.0   |
| 3          | pH at 25.2°C                                | -                 | IS:3025:(Part-11)                                | 6.5 To 8.5  | 7.36   |
| 4          | Residual free chlorine                      | mg/L              | IS:3025:(Part-26)                                | 0.2 (max)   | <0.2   |
| 5          | Total Dissolved Solids                      | mg/L              | IS:3025:(Part-16)                                | 500 (max)   | 277.0  |
| 6          | Alkalinity Total<br>(As CaCO <sub>3</sub> ) | mg/L              | IS:3025:(Part-23)                                | 200 (max)   | 80.0   |
| 7          | Total Hardness (as CaCO <sub>3</sub> )      | mg/L              | IS:3025:(Part-21)                                | 200 (max)   | 158    |
| 8          | Calcium (as Ca)                             | mg/L              | IS:3025:(Part-40)                                | 75 (max)  | 42.48  |
| 9          | Magnesium (as Mg)                           | mg/L              | APHA 24 <sup>th</sup> Ed.2023,3500-<br>Mg-B, 274 | 30 (max)  | 12.64  |



#### **REPORT NO. -01213**

| TEST REPORT |                                |      |  |   |        |  |  |
|-------------|--------------------------------|------|--|---|--------|--|--|
| SR.<br>NO.  | PARAMETER                      | UNIT | METHOD OF TEST   | ACCEPTABLE LIMIT<br>FOR DRINKING WATER<br>(IS 10500:2012) | RESULT |  |  |
| 10          | Chloride (as CI)               | mg/L | IS:3025:(Part-32)  | 250 (max)   | 21.9   |  |  |
| 11          | Sulphate (as SO <sub>4</sub> ) | mg/L | IS:3025:(Part-24)  | 200 (max)   | 24.03  |  |  |
| 12          | Nitrate (NO <sub>3</sub> )     | mg/L | APHA 24 <sup>th</sup> Ed.2023,4500-<br>NO <sub>3</sub> -B, 434 | 45 (max)  | 8.71   |  |  |
| 13          | Iron (as Fe)                   | mg/L | IS:3025:(Part-53)  | 0.3 (max)   | <0.1   |  |  |
| 14          | Fluoride (as F)                | mg/L | IS:3025:(Part-60)  | 1.0 (max)   | <0.1   |  |  |
| 15          | Manganese (as Mn)              | mg/L | USEPA-SW-846:Method-<br>7000B AAS: 1970                        | 0.1 (max)   | <0.1   |  |  |
| 16          | Lead (as Pb)                   | mg/L | IS:3025:(Part-47)  | 0.01 (max)  | <0.1   |  |  |
| 17          | Zinc (as Zn)                   | mg/L | IS:30 <mark>25:(P</mark> art-49)                               | 5.0 (max)   | <0.05  |  |  |
| 18          | Copper (as Cu)                 | mg/L | IS:3 <mark>025:(P</mark> art-42)                               | 0.05 (max)  | <0.05  |  |  |
| 19          | Aluminium (as AI)              | mg/L | IS:3025:(Part-55)  | 0.03 (max)  | <0.03  |  |  |
| 20          | Chromium (as Cr)               | mg/L | IS:3025:(Part-52)  | 0.001 (max)   | <0.1   |  |  |

Note: mg/lit.: milligram per liter.

N.D.: Not Detected.

## REMARKS: RESULTS ARE AS ABOVE

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| Name & Address Of The Customer                                    |                                    | REPORT NO                      | T NO UES/TR/23-24/012:                   |  |
|---|------------------------------------|--------------------------------|--|--|
| ACB INDIA LIN   | IITED.                             | LAB REF NO                     | UES/23-24/W/01213                        |  |
| 2 X 50 MW PO  |                                    | DATE OF SAMPLING 15/02/2024    |  |  |
|   | JA, POST-NONBIRRA                  | DATE OF RECEIPT                | 16/02/2024                               |  |
| TEHSIL - PALI DISTT KORBA (C.G.)                                  |                                    | DATE OF REPORT                 | 20/02/2024                               |  |
|   |                                    | DATE OF ANALYSIS               | START: 16/02/2024 END: 20/02/            |  |
|   | SA                                 | MPLE DETAILS                   |  |  |
| CUSTMER SAMPLE ID   | BOREWELL WATER NEAR OFFICER COLONY | CUSTOMER REF. NO.              | ACBIL/2X50 MW/ENV,<br>24/229,DATED:17/03 |  |
| SAMPLE TYPE   | GROUND WATER                       | SAMPLE CONDITION<br>AT RECEIPT | OK                                       |  |
| PACKING OF SAMPLE 4 L X 1 NO. PVC CAN<br>1 L X 1 NO. GLASS BOTTLE |                                    | SAMPLE COLLECTED<br>BY         | CHEMIST                                  |  |
| OTHER DEATAILS  | SEALED                             | QUANTITY RECEIVED              | 5 LTR                                    |  |

### **REPORT NO. -01213**

| TEST REPORT |                  |      |                                  |   |           |  |  |
|-------------|------------------|------|----------------------------------|---|-----------|--|--|
| SR.<br>NO.  | PARAMETER        | UNIT | METHOD OF TEST                   | ACCEPTABLE LIMIT<br>FOR DRINKING WATER<br>(IS 10500:2012) | RESULT    |  |  |
| 1           | Taste            | 4    | IS:3025:(Part-08)                | Agreeable   | Agreeable |  |  |
| 2           | Odour            | -    | IS:3 <mark>025:(P</mark> art-05) | Agreeable   | Agreeable |  |  |
| 3           | Boron (as B)     | mg/L | IS:3 <mark>025:(P</mark> art-57) | 0.5 (max)   | N.D.      |  |  |
| 4           | Selenium (as Se) | mg/L | IS:3025:(Part-56)                | 0.1 (max)   | N.D.      |  |  |

Note: mg/lit.: milligram per liter.

N.D.: Not Detected.

## REMARKS: RESULTS ARE AS ABOVE

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| Name & Address Of The Customer  ACB INDIA LIMITED,  2 X 50 MW POWER PLANT,  VILLAGE-RATIJA, POST-NONBIRRA  TEHSIL – PALI DISTT KORBA (C.G.) |                          | REPORT NO  LAB REF NO  DATE OF REPORT  DATE OF SAMPLING | UES/TR/23-24/08272 UES/23-24/N/015994-016004 20/02/2024 15/02/2024 - 16/02/2024 |
|---|--------------------------|---|---|
|   |                          | SAMPLE DETAILS  |   |
| MONITORING FOR  | NOISE LEVEL MONITORING   |   |   |
| CUSTOMER REF. NO.   | ACBIL/2X50 MW/ENV/WO/23  | -24/229,DATED: 17/03/2023                               |   |
| SAMPLING LOCATION   | TNSTDE PLANTE OUTSTDE DE | TANT (AC DECCRIPED DELOW)                               |   |

| MONITORING FOR             | NOISE LEVEL MONITORING                           |
|----------------------------|--|
| CUSTOMER REF. NO.          | ACBIL/2X50 MW/ENV/WO/23-24/229,DATED:17/03/2023  |
| SAMPLING LOCATION          | INSIDE PLANTE OUTSIDE PLANT (AS DESCRIBED BELOW) |
| SAMPLE RECEIVED ON         | MONITORING AT                                    |
| SAMPLE COLLECTED BY        | LABORATORY CHEMIST                               |
| SAMPLING PROCEDURE         | MANUFACTURER'S INSTRUCTION                       |
| SAMPLE<br>QUANTITY/PACKING | NOT APPLICABLE                                   |

**TEST REPORT** 

|   |       | TOI ILLI OI      |               |                       |   |
|---|-------|------------------|---------------|-----------------------|---|
| LOCATION                                    | UNIT  | RESULT<br>15.02. |               | LIMIT (INDU           | STRIAL ZONE)                            |
| LOCATION                                    |       | DAY TIME         | NIGHT<br>TIME | DAY TIME              | NIGHT TIME                              |
| Near Office                                 | dB(A) | 67               | 56            |                       |   |
| Near DM Plant                               | dB(A) | 72               | 55            |                       |   |
| Near CHP Area                               | dB(A) | 73               | 60            | 75                    | 70                                      |
| Turbine Floor                               | dB(A) | 71               | 61            | 75                    | 70                                      |
| Near Cooling Tower                          | dB(A) | 70               | 56            |                       | *************************************** |
| PA Fan - 1B                                 | dB(A) | 66               | 54            |                       |   |
| LOCATION                                    | UNIT  | RESULT<br>16.01. |               | LIMIT (RESIDENTIAL AR |   |
| LOCATION                                    | UNII  | DAY TIME         | NIGHT<br>TIME | DAY TIME              | NIGHT TIME                              |
| Outside Plant                               |       |                  | 7/2           |                       |   |
| Tiwarata Village (Near High<br>School)      | dB(A) | 53               | 41            |                       | 45                                      |
| Renki Village (Near<br>Grampanchyat)        | dB(A) | 52               | 42            | 55                    |   |
| Chainpur Village (Near<br>DurgaPendal Shed) | dB(A) | 52               | 42            |                       |   |
| Ratija Village (Near<br>SamudayikBhavan)    | dB(A) | 51               | 41            |                       |   |

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| Name & Address of The Cus                                      |                            | REPORT NO  | UES/TR/23-24/01214 |                 |  |
|--|----------------------------|--|--------------------|-----------------|--|
| <b>ACB INDIA LIM</b>   | ITED,                      | LAB REF NO   | UES/23-24/W/01214  |                 |  |
| 2 X 50 MW POV  | VER PLANT.                 | DATE OF SAMPLING   | 15/02/2024         |                 |  |
|  |                            | DATE OF RECEIPT  | 16/02/2024         |                 |  |
| VILLAGE-KATI   | IA, POST-NONBIRRA          | DATE OF REPORT 20/02/2024  |                    |                 |  |
| TEHSIL – PALI  | DISTT KORBA (C.G.)         | DATE OF ANALYSIS   | START: 16/02/2024  | END: 20/02/2024 |  |
|  | SAMI                       | PLE DETAILS  |                    |                 |  |
| CUSTMER SAMPLE ID  | NEUTRALISATION PIT (INLET) | CUSTOMER REF. NO. ACBIL/2X50 MW/ENV/W0 & DATE 24/229, DATED: 17/03/2 |                    |                 |  |
| SAMPLE TYPE  | EFFLUENT WATER             | SAMPLE CONDITION<br>AT RECEIPT                                       | OK                 |                 |  |
| PACKING OF SAMPLE 2 L X 1 NO. PVC CAN 1 L X 1 NO. GLASS BOTTLE |                            | SAMPLE COLLECTED<br>BY   | LABORATORY CHEMIST |                 |  |
| OTHER DEATAILS   | SEALED                     | QUANTITY RECEIVED  | 3 LTR              |                 |  |

|            | TEST REPORT                                      |   |         |            |                   |  |  |  |
|------------|--|---|---------|------------|-------------------|--|--|--|
| Sr.<br>No. | Parameter  | rameter Unit Result Limits as per Consent |         |            | Method Reference  |  |  |  |
| 1          | pH at 25.4°C                                     | -   | 7.31    | 5.5 to 9.0 | IS:3025 (PART-11) |  |  |  |
| 2          | Total Suspended Solid                            | mg/L                                      | 59.0    | 100        | IS:3025 (PART-17) |  |  |  |
| 3          | Chemical Oxygen<br>Demand (COD)                  | mg/L                                      | 84.0    | 250        | IS:3025 (PART-58) |  |  |  |
| 4          | Biological Oxygen<br>Demand (BOD 3 Days<br>27°C) | mg/L                                      | 10.1    | 30         | IS:3025 (PART-44) |  |  |  |
| 5          | Oil & Grease                                     | mg/L                                      | Present | 10         | IS:3025 (PART-39) |  |  |  |

# REMARKS:mg/lit.: milligram per liter

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| Name & Address of The Cus     | stomer  | REPORT NO                      | UES/TR/23-24/01215                                  |                 |  |
|-------------------------------|---|--------------------------------|---|-----------------|--|
| <b>ACB INDIA LIM</b>          | ITED,   | LAB REF NO                     | UES/23-24/W/01                                      | 215             |  |
| 2 X 50 MW POV                 | VER PLANT.  | DATE OF SAMPLING               | 15/02/2024  |                 |  |
|                               | SOUTH SECTION | DATE OF RECEIPT                | 16/02/2024  |                 |  |
| VILLAGE-RATIJA, POST-NONBIRRA |   | DATE OF REPORT                 | 20/02/2024  |                 |  |
| TEHSIL - PALI                 | DISTT KORBA (C.G.)  | DATE OF ANALYSIS               | START: 16/02/2024                                   | END: 20/02/2024 |  |
|                               | SAMP  | LE DETAILS                     |   |                 |  |
| CUSTMER SAMPLE ID             | NEUTRALISATION PIT (OUTLET)   | CUSTOMER REF. NO. & DATE       | ACBIL/2X50 MW/ENV/WO/23-<br>24/229,DATED:17/03/2023 |                 |  |
| SAMPLE TYPE                   | EFFLUENT WATER  | SAMPLE CONDITION<br>AT RECEIPT | OK  |                 |  |
| PACKING OF SAMPLE             | 2 L X 1 NO. PVC CAN<br>1 L X 1 NO. GLASS BOTTLE   | SAMPLE COLLECTED<br>BY         | LABORATORY CHEMIST                                  |                 |  |
| OTHER DEATAILS                | SEALED  | QUANTITY RECEIVED              | 3 LTR   |                 |  |

|            | TEST REPORT                                      |      |        |                          |                   |  |  |  |
|------------|--|------|--------|--------------------------|-------------------|--|--|--|
| Sr.<br>No. | Parameter  | Unit | Result | Limits as per<br>Consent | Method Reference  |  |  |  |
| 1          | pH at 24.6°C                                     |      | 7.45   | 5.5 to 9.0               | IS:3025 (PART-11) |  |  |  |
| 2          | Total Suspended Solid                            | mg/L | 35.0   | 100                      | IS:3025 (PART-17) |  |  |  |
| 3          | Chemical Oxygen<br>Demand (COD)                  | mg/L | 52.0   | 250                      | IS:3025 (PART-58) |  |  |  |
| 4          | Biological Oxygen<br>Demand (BOD 3 Days<br>27°C) | mg/L | 8.9    | 30                       | IS:3025 (PART-44) |  |  |  |
| 5          | Oil & Grease                                     | mg/L | Absent | 10                       | IS:3025 (PART-39) |  |  |  |

# REMARKS:Mg/lit.: milligram per liter

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| Name & Address of The Cu. |   | REPORT NO                      | UES/TR/23-24/01216                                    |                 |  |
|---------------------------|---|--------------------------------|---|-----------------|--|
| ACB INDIA LIM             | ITED,   | LAB REF NO                     | UES/23-24/W/01  | 216             |  |
| 2 X 50 MW POV             | VER PLANT.  | DATE OF SAMPLING               | 15/02/2024  |                 |  |
|                           | THE COURSE OF THE PROPERTY OF | DATE OF RECEIPT                | 16/02/2024  |                 |  |
|                           | JA, POST-NONBIRRA   | DATE OF REPORT                 | 20/02/2024  |                 |  |
| TEHSIL - PALI             | DISTT KORBA (C.G.)  | DATE OF ANALYSIS               | START: 16/02/2024                                     | END: 20/02/2024 |  |
|                           | SAMI  | PLE DETAILS                    |   |                 |  |
| CUSTMER SAMPLE ID         | STP INLET   | CUSTOMER REF. NO. & DATE       | . ACBIL/2X50 MW/ENV/WO/23-<br>24/229,DATED:17/03/2023 |                 |  |
| SAMPLE TYPE               | EFFLUENT WATER  | SAMPLE CONDITION<br>AT RECEIPT | OK  |                 |  |
| PACKING OF SAMPLE         | 2 L X 1 NO. PVC CAN<br>1 L X 1 NO. GLASS BOTTLE   | SAMPLE COLLECTED<br>BY         | LABORATORY CHEMIST                                    |                 |  |
| OTHER DEATAILS            | SEALED  | QUANTITY RECEIVED              | 3 LTR   |                 |  |

|            | TEST REPORT                                      |                   |         |                          |                    |  |  |  |
|------------|--|-------------------|---------|--------------------------|--------------------|--|--|--|
| Sr.<br>No. | Parameter  | Parameter Unit Ro |         | Limits as per<br>Consent | Method Reference   |  |  |  |
| 1          | pH at 25.4°C                                     | -                 | 7.47    | 5.5 to 9.0               | IS: 3025 (PART-11) |  |  |  |
| 2          | Total Suspended Solid                            | mg/L              | 57.0    | 100                      | IS: 3025 (PART-17) |  |  |  |
| 3          | Chemical Oxygen<br>Demand (COD)                  | mg/L              | 112     | 250                      | IS: 3025 (PART-58) |  |  |  |
| 4          | Biological Oxygen<br>Demand (BOD 3 Days<br>27°C) | mg/L              | 21.5    | 30                       | IS:3025 (PART-44)  |  |  |  |
| 5          | Oil & Grease                                     | mg/L              | Present | 10                       | IS:3025 (PART-39)  |  |  |  |

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| Name & Address of The Cu |   | REPORT NO                      | UES/TR/23-24/01217                                   |                 |  |
|--------------------------|---|--------------------------------|--|-----------------|--|
| <b>ACB INDIA LIM</b>     | ITED,   | LAB REF NO                     | UES/23-24/W/01                                       | 217             |  |
| 2 X 50 MW POV            | VER PLANT.                                      | DATE OF SAMPLING               | 15/02/2024   |                 |  |
|                          |   | DATE OF RECEIPT                | 16/02/2024   |                 |  |
|                          | JA, POST-NONBIRRA                               | DATE OF REPORT                 | 20/02/2024   |                 |  |
| TEHSIL - PALI            | DISTT KORBA (C.G.)                              | DATE OF ANALYSIS               | START: 16/02/2024                                    | END: 20/02/2024 |  |
|                          | SAMI  | PLE DETAILS                    |  |                 |  |
| CUSTMER SAMPLE ID        | STP OUTLET                                      | CUSTOMER REF. NO.              | ACBIL/2x50 MW/ENV/WO/23-<br>24/229,DATED:17/03/2023P |                 |  |
| SAMPLE TYPE              | EFFLUENT WATER                                  | SAMPLE CONDITION<br>AT RECEIPT | ОК   |                 |  |
| PACKING OF SAMPLE        | 2 L X 1 NO. PVC CAN<br>1 L X 1 NO. GLASS BOTTLE | SAMPLE COLLECTED<br>BY         | LABORATORY CHEMIST                                   |                 |  |
| OTHER DEATAILS           | SEALED  | QUANTITY RECEIVED              | 3 LTR  |                 |  |

|            | TEST REPORT                                      |      |        |                          |                    |  |  |  |
|------------|--|------|--------|--------------------------|--------------------|--|--|--|
| Sr.<br>No. | Parameter  | Unit | Result | Limits as per<br>Consent | Method Reference   |  |  |  |
| 1          | pH at 24.6°C                                     |      | 7.39   | 5.5 to 9.0               | IS: 3025 (PART-11) |  |  |  |
| 2          | Chemical Oxygen<br>Demand (COD)                  | mg/L | 68.0   | 250                      | IS: 3025 (PART-58) |  |  |  |
| 3          | Biological Oxygen<br>Demand (BOD 3 Days<br>27°C) | mg/L | 12.6   | 30                       | IS: 3025 (PART-44) |  |  |  |
| 4          | Oil & Grease                                     | mg/L | Absent | 10                       | IS: 3025 (PART-39) |  |  |  |

# REMARKS:Mg/lit.: milligram per liter

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Name & Address of The Customer REPORT NO UES/TR/23-24/01217 **ACB INDIA LIMITED,** UES/23-24/W/01217 LAB REF NO DATE OF SAMPLING 15/02/2024 2 X 50 MW POWER PLANT. DATE OF RECEIPT 16/02/2024 **VILLAGE-RATIJA, POST-NONBIRRA** DATE OF REPORT 20/02/2024 TEHSIL - PALI DISTT. - KORBA (C.G.) DATE OF ANALYSIS START: 16/02/2024 END: 20/02/2024 SAMPLE DETAILS CUSTOMER REF. NO. ACBIL/2X50 MW/ENV/WO/23-CUSTMER SAMPLE ID STP OUTLET & DATE 24/229, DATED: 17/03/2023P SAMPLE CONDITION SAMPLE TYPE EFFLUENT WATER AT RECETPT 2 L X 1 NO. PVC CAN SAMPLE COLLECTED PACKING OF SAMPLE LABORATORY CHEMIST 1 L X 1 NO. GLASS BOTTLE OTHER DEATAILS SEALED QUANTITY RECEIVED 3 LTR

|            | TEST REPORT           |      |        |                          |                    |  |  |  |
|------------|-----------------------|------|--------|--------------------------|--------------------|--|--|--|
| Sr.<br>No. | Parameter             | Unit | Result | Limits as per<br>Consent | Method Reference   |  |  |  |
| 5          | Total Suspended Solid | mg/L | 21.0   | 100                      | IS: 3025 (PART-17) |  |  |  |

## REMARKS:Mg/lit.: milligram per liter

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| Name & Address Of The Cu. | stomer  | REPORT NO                      | UES/TR/23-24/01245                                  |      |  |
|---------------------------|---|--------------------------------|---|------|--|
|                           |   | LAB REF NO                     | UES/23-24/W/01                                      | .245 |  |
| ACB INDIA LIM             | ITED,   | DATE OF SAMPLING               | 15/02/2024  |      |  |
| 2 X 50 MW POV             | VER PLANT,                                      | DATE OF RECEIPT                | 16/02/2024  |      |  |
| VILLAGE-RATI.             | IA, POST-NONBIRRA                               | DATE OF REPORT                 | 20/02/2024  |      |  |
|                           | DISTT KORBA (C.G.)                              | DATE OF ANALYSIS               | START:16/02/2024 END:20/02/20                       |      |  |
|                           | SAI   | MPLE DETAILS                   |   |      |  |
| CUSTMER SAMPLE ID         | ASH DYKE CORNER - 1                             | CUSTOMER REF. NO.              | ACBIL/2X50 MW/ENV/WO/23-<br>24/229,DATED:17/03/2023 |      |  |
| SAMPLE TYPE               | BOREWELL WATER                                  | SAMPLE CONDITION<br>AT RECEIPT | OK  |      |  |
| PACKING OF SAMPLE         | 4 L X 1 NO. PVC CAN<br>1 L X 1 NO. GLASS BOTTLE | SAMPLE COLLECTED<br>BY         | CHEMIST   |      |  |
| OTHER DEATAILS            | SEALED  | QUANTITY RECEIVED              | 5 LTR   |      |  |

## **REPORT NO. -01245**

| TEST REPORT |   |                   |  |  |        |  |  |  |
|-------------|---|-------------------|--|--|--------|--|--|--|
| SR.<br>NO.  | PARAMETER                                   | UNIT              | METHOD OF TEST                                   | ACCEPTABLE LIMIT<br>FOR DRINKING<br>WATER (IS<br>10500:2012) | RESULT |  |  |  |
| Micro       | biological Analysis                         |                   |  |  |        |  |  |  |
| 1           | Total Coliform                              | MPN/<br>100<br>ML | IS 16 <mark>22: 1</mark> 981: 2019               | Shall not be detectable in any 100 ml sample                 | <2     |  |  |  |
| 2           | E – Coli                                    | MPN/<br>100<br>ML | IS 1622: 1981: 2019                              | Shall not be detectable in any 100 ml sample                 | <2     |  |  |  |
| Chen        | nical Analysis                              |                   |  |  |        |  |  |  |
| 1           | Colour                                      | Hazen             | IS:3025:(Part-04)                                | 5 (max)  | <1.0   |  |  |  |
| 2           | Turbidity                                   | NTU               | IS:3025:(Part-10)                                | 1.0 (max)  | <1.0   |  |  |  |
| 3           | pH at 25.4°C                                | -                 | IS:3025:(Part-11)                                | 6.5 To 8.5   | 7.47   |  |  |  |
| 4           | Residual free chlorine                      | mg/L              | IS:3025:(Part-26)                                | 0.2 (max)  | <0.2   |  |  |  |
| 5           | Total Dissolved Solids                      | mg/L              | IS:3025:(Part-16)                                | 500 (max)  | 346.0  |  |  |  |
| 6           | Alkalinity Total<br>(as CaCO <sub>3</sub> ) | mg/L              | IS:3025:(Part-23)                                | 200 (max)  | 96.0   |  |  |  |
| 7           | Total Hardness ( as CaCO <sub>3</sub> )     | mg/L              | IS:3025:(Part-21)                                | 200 (max)  | 168.0  |  |  |  |
| 8           | Calcium (as Ca)                             | mg/L              | IS:3025:(Part-40)                                | 75 (max)   | 43.29  |  |  |  |
| 9           | Magnesium (as Mg)                           | mg/L              | APHA 24 <sup>th</sup> Ed.2023,3500-<br>Mg-B, 274 | 30 (max)   | 14.58  |  |  |  |



### **REPORT NO. -01245**

| TEST REPORT |                                |      |  |  |        |  |  |  |
|-------------|--------------------------------|------|--|--|--------|--|--|--|
| SR.<br>NO.  | PARAMETER                      | UNIT | METHOD OF TEST   | ACCEPTABLE LIMIT<br>FOR DRINKING<br>WATER (IS<br>10500:2012) | RESULT |  |  |  |
| 10          | Chloride (as Cl)               | mg/L | IS:3025:(Part-32)  | 250 (max)  | 30.9   |  |  |  |
| 11          | Sulphate (as SO <sub>4</sub> ) | mg/L | IS:3025:(Part-24)  | 200 (max)  | 24.49  |  |  |  |
| 12          | Nitrate (NO <sub>3</sub> )     | mg/L | APHA 24 <sup>th</sup> Ed.2023,4500-<br>NO <sub>3</sub> -B, 434 | 45 (max)   | 10.30  |  |  |  |
| 13          | Iron (as Fe)                   | mg/L | IS:3025:(Part-53)  | 0.3 (max)  | 0.13   |  |  |  |
| 14          | Fluoride (as F)                | mg/L | IS:3025:(Part-60)  | 1.0 (max)  | 0.17   |  |  |  |
| 15          | Manganese (as Mn)              | mg/L | USEPA-SW-846:Method-<br>7000B AAS: 1970                        | 0.1 (max)  | <0.1   |  |  |  |
| 16          | Lead (as Pb)                   | mg/L | IS:3 <mark>025:(</mark> Part-47)                               | 0.01 (max)   | <0.1   |  |  |  |
| 17          | Zinc (as Zn)                   | mg/L | IS:3 <mark>025:(</mark> Part-49)                               | 5.0 (max)  | 0.16   |  |  |  |
| 18          | Copper (as Cu)                 | mg/L | IS:3025:(Part-42)  | 0.05 (max)   | <0.05  |  |  |  |
| 19          | Aluminium (as Al)              | mg/L | IS:3025:(Part-55)  | 0.03 (max)   | <0.03  |  |  |  |
| 20          | Chromium (as Cr)               | mg/L | IS:3025:(Part-52)  | 0.001 (max)  | <0.1   |  |  |  |

Note: mg/lit.: milligram per liter.

N.D.: Not Detected.

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AN ISO: 9001:2015| ISO: 14001:2015| ISO: 45001: 2018 CERTIFIED LABORATORY



| Name & Address Of The Cu.        | stomer  | REPORT NO                      | UES/TR/23-24/01245                         |                 |  |
|----------------------------------|---|--------------------------------|--|-----------------|--|
| ACB INDIA LIM                    | ITED.   | LAB REF NO                     | UES/23-24/W/01                             | 245             |  |
| 2 X 50 MW POV                    |   | DATE OF SAMPLING               | 15/02/2024                                 |                 |  |
|                                  | IA, POST-NONBIRRA                               | DATE OF RECEIPT                | 16/02/2024<br>20/02/2024                   |                 |  |
|                                  |   | DATE OF REPORT                 |  |                 |  |
| TEHSIL – PALI DISTT KORBA (C.G.) |   | DATE OF ANALYSIS               | START: 16/02/2024                          | END: 20/02/2024 |  |
|                                  | SA  | MPLE DETAILS                   | 医学 医马克里氏管                                  |                 |  |
| CUSTMER SAMPLE ID                | ASH DYKE CORNER - 1                             | CUSTOMER REF. NO.              | ACBIL/2X50 MW/ENV,<br>24/229, DATED: 17/03 |                 |  |
| SAMPLE TYPE                      | BOREWELL WATER                                  | SAMPLE CONDITION<br>AT RECEIPT | OK   |                 |  |
| PACKING OF SAMPLE                | 4 L X 1 NO. PVC CAN<br>1 L X 1 NO. GLASS BOTTLE | SAMPLE COLLECTED<br>BY         | CHEMIST                                    |                 |  |
| OTHER DEATAILS                   | SEALED  | QUANTITY RECEIVED              | 5 LTR                                      |                 |  |

## **REPORT NO. -01245**

| TEST REPORT |                  |      |                                  |   |           |  |  |
|-------------|------------------|------|----------------------------------|---|-----------|--|--|
| SR.<br>NO.  | PARAMETER        | UNIT | METHOD OF TEST                   | ACCEPTABLE LIMIT<br>FOR DRINKING WATER<br>(IS 10500:2012) | RESULT    |  |  |
| Chen        | nical Analysis   |      |                                  |   |           |  |  |
| 21          | Taste            |      | IS:3 <mark>025:(</mark> Part-08) | Agreeable   | Agreeable |  |  |
| 22          | Odour            | -    | IS:3025:(Part-05)                | Agreeable   | Agreeable |  |  |
| 23          | Boron (as B)     | mg/L | IS:3025:(Part-57)                | 0.5 (max)   | N.D.      |  |  |
| 24          | Selenium (as Se) | mg/L | IS:3025:(Part-56)                | 0.1 (max)   | N.D.      |  |  |

Note: mg/lit.: milligram per liter.

N.D.: Not Detected.

# REMARKS: RESULTS ARE AS ABOVE

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| Name & Address Of The Cu | stomer  | REPORT NO                   | UES/TR/23-24/01246<br>UES/23-24/W/01246<br>15/02/2024<br>16/02/2024 |                 |
|--------------------------|---|-----------------------------|---|-----------------|
|                          |   | LAB REF NO                  |   |                 |
| ACB INDIA LIM            |   | DATE OF SAMPLING            |   |                 |
| 2 X 50 MW POV            | VER PLANT,                                      | DATE OF RECEIPT             |   |                 |
| VILLAGE-RATI.            | IA, POST-NONBIRRA                               | DATE OF REPORT              | 20/02/2024  |                 |
|                          | DISTT KORBA (C.G.)                              | DATE OF ANALYSIS            | START: 16/02/2024   | END: 20/02/2024 |
| 经股份 医皮肤                  | SA  | MPLE DETAILS                |   |                 |
| CUSTMER SAMPLE ID        | ASH DYKE CORNER - 2                             | CUSTOMER REF. NO.           | ACBIL/2X50 MW/ENV/WO/23-<br>24/229,DATED:17/03/2023                 |                 |
| SAMPLE TYPE              | BOREWELL WATER                                  | SAMPLE CONDITION AT RECEIPT | OK  |                 |
| PACKING OF SAMPLE        | 4 L X 1 NO. PVC CAN<br>1 L X 1 NO. GLASS BOTTLE | SAMPLE COLLECTED<br>BY      | CHEMIST   |                 |
| OTHER DEATAILS           | SEALED  | QUANTITY RECEIVED           | 5 LTR   |                 |

# **REPORT NO. -01246**

| TEST REPORT |   |                   |  |  |        |  |
|-------------|---|-------------------|--|--|--------|--|
| SR.<br>NO.  | PARAMETER                                   | UNIT              | METHOD OF TEST                                   | ACCEPTABLE LIMIT<br>FOR DRINKING<br>WATER (IS<br>10500:2012) | RESULT |  |
| Micro       | biological Analysis                         |                   |  |  |        |  |
| 1           | Total Coliform                              | MPN/<br>100<br>ML | IS 16 <mark>22: 1</mark> 981: 2019               | Shall not be<br>detectable in<br>any 100 ml<br>sample        | <2     |  |
| 2           | E – Coli                                    | MPN/<br>100<br>ML | IS 1622: 1981: 2019                              | Shall not be detectable in any 100 ml sample                 | <2     |  |
| Chem        | nical Analysis                              |                   |  |  |        |  |
| 1           | Colour                                      | Hazen             | IS:3025:(Part-04)                                | 5 (max)  | <1.0   |  |
| 2           | Turbidity                                   | NTU               | IS:3025:(Part-10)                                | 1.0 (max)  | <1.0   |  |
| 3           | pH at 25.4°C                                | -                 | IS:3025:(Part-11)                                | 6.5 To 8.5   | 7.53   |  |
| 4           | Residual free chlorine                      | mg/L              | IS:3025:(Part-26)                                | 0.2 (max)  | <0.2   |  |
| 5           | Total Dissolved Solids                      | mg/L              | IS:3025:(Part-16)                                | 500 (max)  | 351.0  |  |
| 6           | Alkalinity Total<br>(as CaCO <sub>3</sub> ) | mg/L              | IS:3025:(Part-23)                                | 200 (max)  | 100.0  |  |
| 7           | Total Hardness ( as CaCO <sub>3</sub> )     | mg/L              | IS:3025:(Part-21)                                | 200 (max)  | 174.0  |  |
| 8           | Calcium (as Ca)                             | mg/L              | IS:3025:(Part-40)                                | 75 (max)   | 47.29  |  |
| 9           | Magnesium (as Mg)                           | mg/L              | APHA 24 <sup>th</sup> Ed.2023,3500-<br>Mg-B, 274 | 30 (max)   | 13.61  |  |



### **REPORT NO. -01246**

| TEST REPORT |                                |      |  |  |        |  |
|-------------|--------------------------------|------|--|--|--------|--|
| SR.<br>NO.  | PARAMETER                      | UNIT | METHOD OF TEST   | ACCEPTABLE LIMIT<br>FOR DRINKING<br>WATER (IS<br>10500:2012) | RESULT |  |
| 10          | Chloride (as Cl)               | mg/L | IS:3025:(Part-32)  | 250 (max)  | 33.9   |  |
| 11          | Sulphate (as SO <sub>4</sub> ) | mg/L | IS:3025:(Part-24)  | 200 (max)  | 24.43  |  |
| 12          | Nitrate (NO <sub>3</sub> )     | mg/L | APHA 24 <sup>th</sup> Ed.2023,4500-<br>NO <sub>3</sub> -B, 434 | 45 (max)   | 9.77   |  |
| 13          | Iron (as Fe)                   | mg/L | IS:3025:(Part-53)  | 0.3 (max)  | 0.18   |  |
| 14          | Fluoride (as F)                | mg/L | IS:3025:(Part-60)  | 1.0 (max)  | 0.21   |  |
| 15          | Manganese (as Mn)              | mg/L | USEPA-SW-846:Method-<br>7000B AAS: 1970                        | 0.1 (max)  | <0.1   |  |
| 16          | Lead (as Pb)                   | mg/L | IS:3025:(Part-47)  | 0.01 (max)   | <0.1   |  |
| 17          | Zinc (as Zn)                   | mg/L | IS:3025:(Part-49)  | 5.0 (max)  | 0.19   |  |
| 18          | Copper (as Cu)                 | mg/L | IS:3025:(Part-42)  | 0.05 (max)   | <0.05  |  |
| 19          | Aluminium (as Al)              | mg/L | IS:3025:(Part-55)  | 0.03 (max)   | <0.03  |  |
| 20          | Chromium (as Cr)               | mg/L | IS:3025:(Part-52)  | 0.001 (max)  | <0.1   |  |

Note: mg/lit.: milligram per liter.

N.D.: Not Detected.

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Name & Address Of The Customer

РН - 0771 - 4027777 /email - ultimatenviro@gmail.com

| ACB INDIA LIMITED,                 |
|------------------------------------|
| 2 X 50 MW POWER PLANT,             |
| VILLAGE-RATIJA, POST-NONBIRRA      |
| TEHSIL - PALI DISTT KORBA (C.G.)   |
| TETIOLE TAET DIGITIT TROUBA (CIGI) |

| REPORT NO        | UES/TR/23-24/01246 |                 |  |
|------------------|--------------------|-----------------|--|
| LAB REF NO       | UES/23-24/W/01246  |                 |  |
| DATE OF SAMPLING | 15/02/2024         |                 |  |
| DATE OF RECEIPT  | 16/02/2024         |                 |  |
| DATE OF REPORT   | 20/02/2024         |                 |  |
| DATE OF ANALYSIS | START: 16/02/2024  | END: 20/02/2024 |  |

|                   | SA  | MPLE DETAILS                |   |
|-------------------|---|-----------------------------|---|
| CUSTMER SAMPLE ID | ASH DYKE CORNER - 2                             | CUSTOMER REF. NO.           | ACBIL/2X50 MW/ENV/WO/23-<br>24/229,DATED:17/03/2023 |
| SAMPLE TYPE       | BOREWELL WATER                                  | SAMPLE CONDITION AT RECEIPT | ОК  |
| PACKING OF SAMPLE | 4 L X 1 NO. PVC CAN<br>1 L X 1 NO. GLASS BOTTLE | SAMPLE COLLECTED :          | CHEMIST   |
| OTHER DEATAILS    | SEALED  | QUANTITY RECEIVED           | 5 LTR   |

### **REPORT NO. -01246**

| TEST REPORT |                  |                     |                                  |   |           |  |  |
|-------------|------------------|---------------------|----------------------------------|---|-----------|--|--|
| SR.<br>NO.  | PARAMETER        | UNIT METHOD OF TEST |                                  | ACCEPTABLE LIMIT<br>FOR DRINKING WATER<br>(IS 10500:2012) | RESULT    |  |  |
| Chen        | nical Analysis   |                     |                                  |   |           |  |  |
| 21          | Taste            | -                   | IS: <mark>3025:(</mark> Part-08) | Agreeable   | Agreeable |  |  |
| 22          | Odour            |                     | IS: <mark>3025:(</mark> Part-05) | Agreeable   | Agreeable |  |  |
| 23          | Boron (as B)     | mg/L                | IS:3025:(Part-57)                | 0.5 (max)   | N.D.      |  |  |
| 24          | Selenium (as Se) | mg/L                | IS:3025:(Part-56)                | 0.1 (max)   | N.D.      |  |  |

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