

**Statement Showing Primary Sample Analysis (for 9 radicals- Fe%, Mn%, SiO<sub>2</sub>%, Al<sub>2</sub>O<sub>3</sub>%, TiO<sub>2</sub>, P<sub>2</sub>O<sub>5</sub>%, S%, Ga<sub>2</sub>O<sub>3</sub>, V<sub>2</sub>O<sub>5</sub>) of borehole core samples of Majhauri (G-3) Block for Iron and Bauxite, District- Jabalpur, Madhya Pradesh**

| Sr. No. | BH.No. | Primary Sample No. | From (m) | To (m) | Thick. (m) | Fe %  | Mn % | SiO <sub>2</sub> % | Al <sub>2</sub> O <sub>3</sub> % | TiO <sub>2</sub> % | P <sub>2</sub> O <sub>5</sub> % | S %  | Ga <sub>2</sub> O <sub>3</sub> % | V <sub>2</sub> O <sub>5</sub> % |
|---------|--------|--------------------|----------|--------|------------|-------|------|--------------------|----------------------------------|--------------------|---------------------------------|------|----------------------------------|---------------------------------|
| 1       | MBM-1  | MBM-01/1           | 0.00     | 1.00   | 1.00       | 6.47  | 0.03 | 35.50              | 30.98                            | 4.36               | 0.08                            | 0.02 | 0.01                             | 0.08                            |
| 2       |        | MBM-01/2           | 1.00     | 2.00   | 1.00       | 3.28  | 0.01 | 40.51              | 34.55                            | 4.88               | 0.05                            | 0.01 | 0.01                             | <0.01                           |
| 3       |        | MBM-01/3           | 2.00     | 3.00   | 1.00       | 2.77  | 0.01 | 40.83              | 35.24                            | 5.00               | 0.05                            | 0.01 | 0.01                             | <0.01                           |
| 4       |        | MBM-01/4           | 3.00     | 4.00   | 1.00       | 2.44  | 0.01 | 40.64              | 35.24                            | 5.18               | 0.05                            | 0.01 | 0.01                             | <0.01                           |
| 5       |        | MBM-01/5           | 4.00     | 5.00   | 1.00       | 4.07  | 0.02 | 39.11              | 34.31                            | 5.63               | 0.05                            | 0.01 | 0.01                             | <0.01                           |
| 6       |        | MBM-01/6           | 5.00     | 6.00   | 1.00       | 11.38 | 0.03 | 31.48              | 28.74                            | 4.46               | 0.08                            | 0.01 | 0.01                             | 0.17                            |
| 7       |        | MBM-01/7           | 6.00     | 7.00   | 1.00       | 20.12 | 0.02 | 15.31              | 28.12                            | 8.25               | 0.30                            | 0.01 | 0.01                             | <0.01                           |
| 8       |        | MBM-01/8           | 7.00     | 8.00   | 1.00       | 5.85  | 0.02 | 33.17              | 30.48                            | 5.89               | 0.06                            | 0.00 | 0.01                             | 0.09                            |
| 9       |        | MBM-01/9           | 8.00     | 9.00   | 1.00       | 12.14 | 0.01 | 30.83              | 28.60                            | 4.50               | 0.09                            | 0.00 | 0.01                             | 0.19                            |
| 10      |        | MBM-01/10          | 9.00     | 10.00  | 1.00       | 11.16 | 0.02 | 34.11              | 30.98                            | 5.25               | 0.10                            | 0.01 | 0.01                             | 0.16                            |
| 11      |        | MBM-01/11          | 10.00    | 11.00  | 1.00       | 13.76 | 0.02 | 31.91              | 29.61                            | 5.18               | 0.14                            | 0.01 | 0.01                             | 0.17                            |
| 12      |        | MBM-01/12          | 11.00    | 12.00  | 1.00       | 12.77 | 0.01 | 30.69              | 28.65                            | 4.81               | 0.11                            | 0.01 | 0.01                             | 0.16                            |
| 13      |        | MBM-01/13          | 12.00    | 13.00  | 1.00       | 10.95 | 0.01 | 33.45              | 30.73                            | 5.19               | 0.07                            | 0.00 | <0.01                            | 0.14                            |
| 14      |        | MBM-01/14          | 13.00    | 14.00  | 1.00       | 10.04 | 0.02 | 31.89              | 29.27                            | 5.10               | 0.06                            | 0.00 | 0.01                             | 0.28                            |
| 15      |        | MBM-01/15          | 14.00    | 15.00  | 1.00       | 10.51 | 0.02 | 34.30              | 31.26                            | 5.78               | 0.08                            | 0.01 | 0.01                             | 0.30                            |
| 16      |        | MBM-01/16          | 15.00    | 16.00  | 1.00       | 11.02 | 0.02 | 33.68              | 30.97                            | 5.85               | 0.09                            | 0.00 | 0.01                             | 0.27                            |
| 17      |        | MBM-01/17          | 16.00    | 17.00  | 1.00       | 11.66 | 0.02 | 33.04              | 30.53                            | 5.98               | 0.11                            | 0.00 | 0.01                             | 0.26                            |
| 18      |        | MBM-01/18          | 17.00    | 18.00  | 1.00       | 10.36 | 0.02 | 33.82              | 31.03                            | 6.08               | 0.10                            | 0.01 | 0.01                             | 0.25                            |
| 19      |        | MBM-01/19          | 18.00    | 19.00  | 1.00       | 11.20 | 0.02 | 33.50              | 30.86                            | 6.21               | 0.10                            | 0.01 | 0.01                             | 0.12                            |
| 20      |        | MBM-01/20          | 19.00    | 20.00  | 1.00       | 10.12 | 0.02 | 34.46              | 31.39                            | 6.14               | 0.09                            | 0.01 | 0.01                             | <0.01                           |
| 21      | MBM-2  | MBM-02/1           | 0.00     | 1.00   | 1.00       | 17.48 | 0.08 | 34.16              | 22.85                            | 3.56               | 0.15                            | 0.02 | 0.01                             | <0.01                           |
| 22      |        | MBM-02/2           | 1.00     | 2.00   | 1.00       | 25.30 | 0.05 | 25.52              | 22.00                            | 3.03               | 0.12                            | 0.01 | <0.01                            | 0.15                            |
| 23      |        | MBM-02/3           | 2.00     | 3.00   | 1.00       | 20.47 | 0.05 | 24.33              | 25.60                            | 6.77               | 0.14                            | 0.01 | 0.01                             | <0.01                           |
| 24      |        | MBM-02/4           | 3.00     | 4.00   | 1.00       | 14.47 | 0.04 | 20.42              | 33.68                            | 7.92               | 0.15                            | 0.01 | 0.01                             | <0.01                           |
| 25      |        | MBM-02/5           | 4.00     | 5.00   | 1.00       | 16.37 | 0.03 | 22.91              | 30.97                            | 6.35               | 0.16                            | 0.01 | 0.01                             | <0.01                           |
| 26      |        | MBM-02/6           | 5.00     | 6.00   | 1.00       | 23.01 | 0.02 | 14.64              | 30.58                            | 4.76               | 0.25                            | 0.01 | 0.01                             | <0.01                           |
| 27      |        | MBM-02/7           | 6.00     | 7.00   | 1.00       | 10.49 | 0.02 | 34.67              | 31.40                            | 5.11               | 0.09                            | 0.01 | 0.01                             | 0.12                            |
| 28      |        | MBM-02/8           | 7.00     | 8.00   | 1.00       | 23.66 | 0.06 | 17.19              | 28.40                            | 5.62               | 0.23                            | 0.01 | 0.01                             | 0.41                            |
| 29      |        | MBM-02/9           | 8.00     | 9.00   | 1.00       | 17.06 | 0.07 | 29.63              | 27.29                            | 5.36               | 0.11                            | 0.01 | <0.01                            | 0.14                            |
| 30      |        | MBM-02/10          | 9.00     | 10.00  | 1.00       | 16.04 | 0.07 | 30.14              | 27.53                            | 5.84               | 0.12                            | 0.01 | 0.01                             | <0.01                           |
| 31      |        | MBM-02/11          | 10.00    | 11.00  | 1.00       | 16.48 | 0.07 | 29.86              | 27.26                            | 5.81               | 0.12                            | 0.01 | 0.01                             | 0.14                            |
| 32      |        | MBM-02/12          | 11.00    | 12.00  | 1.00       | 15.88 | 0.09 | 30.40              | 27.66                            | 5.92               | 0.11                            | 0.01 | 0.01                             | 0.13                            |
| 33      | MBM-3  | MBM-3/1            | 0.00     | 1.00   | 1.00       | 20.75 | 0.18 | 32.13              | 21.39                            | 2.89               | 0.14                            | 0.03 | <0.01                            | 0.10                            |
| 34      |        | MBM-3/2            | 1.00     | 2.00   | 1.00       | 27.06 | 0.17 | 21.58              | 22.74                            | 2.82               | 0.17                            | 0.02 | <0.01                            | 0.10                            |
| 35      |        | MBM-3/3            | 2.00     | 3.00   | 1.00       | 15.34 | 0.07 | 46.09              | 16.48                            | 1.39               | 0.09                            | 0.01 | <0.01                            | 0.04                            |
| 36      |        | MBM-3/4            | 3.00     | 4.00   | 1.00       | 9.29  | 0.07 | 53.44              | 17.81                            | 1.27               | 0.04                            | 0.01 | <0.01                            | 0.03                            |
| 37      |        | MBM-3/5            | 4.00     | 5.00   | 1.00       | 10.05 | 0.07 | 51.89              | 17.67                            | 1.32               | 0.04                            | 0.01 | <0.01                            | 0.03                            |
| 38      | MBM-4  | MBM-4/1            | 0.00     | 1.00   | 1.00       | 17.21 | 0.08 | 27.86              | 25.85                            | 4.05               | 0.12                            | 0.02 | 0.01                             | 0.11                            |
| 39      |        | MBM-4/2            | 1.00     | 2.00   | 1.00       | 11.00 | 0.04 | 31.23              | 28.82                            | 4.82               | 0.09                            | 0.01 | 0.01                             | 0.09                            |
| 40      |        | MBM-4/3            | 2.00     | 3.00   | 1.00       | 13.79 | 0.04 | 31.76              | 29.17                            | 4.99               | 0.11                            | 0.01 | 0.01                             | 0.09                            |
| 41      |        | MBM-4/4            | 3.00     | 4.00   | 1.00       | 24.47 | 0.05 | 24.56              | 23.31                            | 3.16               | 0.20                            | 0.01 | <0.01                            | 0.11                            |
| 42      |        | MBM-4/5            | 4.00     | 5.00   | 1.00       | 19.82 | 0.18 | 26.51              | 24.79                            | 3.75               | 0.12                            | 0.01 | 0.01                             | 0.10                            |
| 43      |        | MBM-4/6            | 5.00     | 6.00   | 1.00       | 18.90 | 0.09 | 26.80              | 25.93                            | 4.41               | 0.12                            | 0.02 | 0.01                             | 0.14                            |
| 44      |        | MBM-4/7            | 6.00     | 7.00   | 1.00       | 20.13 | 0.28 | 25.85              | 25.18                            | 3.59               | 0.12                            | 0.02 | 0.01                             | 0.12                            |
| 45      |        | MBM-4/8            | 7.00     | 8.00   | 1.00       | 22.05 | 1.25 | 24.52              | 24.34                            | 3.61               | 0.13                            | 0.02 | <0.01                            | 0.13                            |
| 46      |        | MBM-4/9            | 8.00     | 9.00   | 1.00       | 19.20 | 0.48 | 26.85              | 25.74                            | 4.42               | 0.13                            | 0.02 | 0.01                             | 0.12                            |
| 47      |        | MBM-4/10           | 9.00     | 10.00  | 1.00       | 20.20 | 0.11 | 27.10              | 25.67                            | 4.51               | 0.19                            | 0.01 | 0.01                             | 0.12                            |
| 48      |        | MBM-4/11           | 10.00    | 11.00  | 1.00       | 21.12 | 0.38 | 26.33              | 25.05                            | 4.74               | 0.26                            | 0.02 | 0.01                             | 0.12                            |

| Sr. No. | BH.No. | Primary Sample No. | From (m) | To (m) | Thick. (m) | Fe %  | Mn %  | SiO <sub>2</sub> % | Al <sub>2</sub> O <sub>3</sub> % | TiO <sub>2</sub> % | P <sub>2</sub> O <sub>5</sub> % | S %  | Ga <sub>2</sub> O <sub>3</sub> % | V <sub>2</sub> O <sub>5</sub> % |
|---------|--------|--------------------|----------|--------|------------|-------|-------|--------------------|----------------------------------|--------------------|---------------------------------|------|----------------------------------|---------------------------------|
| 49      | MBM-4  | MBM-4/12           | 11.00    | 12.00  | 1.00       | 19.47 | 0.09  | 27.25              | 25.79                            | 5.66               | 0.26                            | 0.02 | 0.01                             | 0.12                            |
| 50      |        | MBM-4/13           | 12.00    | 13.00  | 1.00       | 16.90 | <0.01 | 29.78              | 27.47                            | 3.71               | 0.18                            | 0.01 | 0.01                             | 0.10                            |
| 51      |        | MBM-4/14           | 13.00    | 14.00  | 1.00       | 19.23 | 0.10  | 27.90              | 25.78                            | 3.81               | 0.15                            | 0.01 | 0.01                             | 0.11                            |
| 52      |        | MBM-4/15           | 14.00    | 15.00  | 1.00       | 9.18  | 0.03  | 36.50              | 31.89                            | 5.13               | 0.10                            | 0.01 | 0.01                             | 0.10                            |
| 53      |        | MBM-4/16           | 15.00    | 16.00  | 1.00       | 17.34 | 0.07  | 29.33              | 26.26                            | 4.00               | 0.15                            | 0.01 | 0.01                             | 0.12                            |
| 54      |        | MBM-4/17           | 16.00    | 17.00  | 1.00       | 20.57 | 0.22  | 25.73              | 24.98                            | 4.53               | 0.19                            | 0.02 | 0.01                             | 0.12                            |
| 55      |        | MBM-4/18           | 17.00    | 18.00  | 1.00       | 28.63 | 0.03  | 21.94              | 21.11                            | 2.80               | 0.24                            | 0.01 | <0.01                            | 0.12                            |
| 56      |        | MBM-4/19           | 18.00    | 19.00  | 1.00       | 28.28 | 0.07  | 22.76              | 22.04                            | 2.83               | 0.17                            | 0.01 | <0.01                            | 0.14                            |
| 57      |        | MBM-4/20           | 19.00    | 20.00  | 1.00       | 21.47 | 0.06  | 24.78              | 23.69                            | 3.79               | 0.16                            | 0.01 | <0.01                            | 0.13                            |
| 58      | MBM-5  | MBM-5/1            | 0.00     | 1.00   | 1.00       | 2.49  | 0.02  | 60.21              | 18.39                            | 2.01               | 0.03                            | 0.01 | <0.01                            | 0.05                            |
| 59      |        | MBM-5/2            | 1.00     | 2.00   | 1.00       | 9.67  | 0.22  | 53.45              | 17.24                            | 1.66               | 0.04                            | 0.01 | <0.01                            | 0.05                            |
| 60      |        | MBM-5/3            | 2.00     | 3.00   | 1.00       | 9.23  | 0.19  | 52.78              | 17.15                            | 1.58               | 0.03                            | 0.01 | <0.01                            | 0.05                            |
| 61      |        | MBM-5/4            | 3.00     | 4.00   | 1.00       | 22.95 | 0.59  | 39.00              | 12.51                            | 1.03               | 0.06                            | 0.02 | <0.01                            | 0.03                            |
| 62      |        | MBM-5/5            | 4.00     | 5.00   | 1.00       | 22.17 | 0.66  | 40.42              | 12.37                            | 0.95               | 0.08                            | 0.02 | <0.01                            | 0.03                            |
| 63      |        | MBM-5/6            | 5.00     | 6.00   | 1.00       | 32.78 | 1.86  | 28.37              | 8.15                             | 0.65               | 0.12                            | 0.02 | <0.01                            | 0.02                            |
| 64      |        | MBM-5/7            | 6.00     | 7.00   | 1.00       | 34.03 | 0.92  | 27.13              | 8.55                             | 0.72               | 0.13                            | 0.01 | <0.01                            | 0.02                            |
| 65      |        | MBM-5/8            | 7.00     | 8.00   | 1.00       | 15.81 | 0.31  | 47.18              | 13.89                            | 1.29               | 0.16                            | 0.02 | <0.01                            | 0.04                            |
| 66      |        | MBM-5/9            | 8.00     | 9.00   | 1.00       | 13.68 | 0.49  | 46.72              | 16.39                            | 1.29               | 0.07                            | 0.02 | <0.01                            | 0.03                            |
| 67      |        | MBM-5/10           | 9.00     | 10.00  | 1.00       | 8.49  | 0.22  | 53.26              | 16.99                            | 1.73               | 0.07                            | 0.02 | <0.01                            | 0.04                            |
| 68      |        | MBM-5/11           | 10.00    | 11.00  | 1.00       | 13.30 | 0.17  | 50.54              | 15.59                            | 1.35               | 0.07                            | 0.01 | <0.01                            | 0.04                            |
| 69      |        | MBM-5/12           | 11.00    | 12.00  | 1.00       | 13.51 | 0.17  | 50.43              | 15.20                            | 1.49               | 0.09                            | 0.02 | <0.01                            | 0.05                            |
| 70      |        | MBM-5/13           | 12.00    | 13.00  | 1.00       | 12.56 | 0.23  | 53.24              | 13.91                            | 1.41               | 0.10                            | 0.02 | <0.01                            | 0.05                            |
| 71      |        | MBM-5/14           | 13.00    | 14.00  | 1.00       | 11.51 | 0.14  | 49.34              | 15.16                            | 2.15               | 0.13                            | 0.02 | <0.01                            | 0.07                            |
| 72      |        | MBM-5/15           | 14.00    | 15.00  | 1.00       | 12.37 | 0.11  | 45.39              | 14.16                            | 1.94               | 0.19                            | 0.01 | <0.01                            | 0.07                            |
| 73      |        | MBM-5/16           | 15.00    | 16.00  | 1.00       | 10.78 | 0.07  | 45.32              | 14.92                            | 2.31               | 0.18                            | 0.01 | <0.01                            | 0.07                            |
| 74      |        | MBM-5/17           | 16.00    | 17.00  | 1.00       | 13.42 | 0.20  | 44.65              | 13.95                            | 1.16               | 0.13                            | 0.01 | <0.01                            | 0.04                            |
| 75      |        | MBM-5/18           | 17.00    | 18.00  | 1.00       | 13.24 | 0.18  | 44.41              | 14.01                            | 1.24               | 0.13                            | 0.01 | <0.01                            | 0.04                            |
| 76      |        | MBM-5/19           | 18.00    | 19.00  | 1.00       | 10.34 | 0.16  | 50.44              | 14.19                            | 1.37               | 0.12                            | 0.01 | <0.01                            | 0.04                            |
| 77      |        | MBM-5/20           | 19.00    | 20.00  | 1.00       | 14.19 | 0.32  | 45.68              | 13.29                            | 1.23               | 0.12                            | 0.01 | <0.01                            | 0.04                            |