

MONITORING FORM

If environmental reviews indicate the need of monitoring by JICA, JICA undertakes monitoring for necessary items that are decided by environmental reviews. JICA undertakes monitoring based on regular reports including measured data submitted by the project proponent. When necessary, the project proponent should refer to the following monitoring form for submitting reports.

When monitoring plans including monitoring items, frequencies and methods are decided, project phase or project life cycle (such as construction phase and operation phase) should be considered.

1. Responses/Actions to Comments and Guidance from Government Authorities and the Public

| Monitoring Item | Monitoring Results during Report Period |
|---|---|
| ex.) Responses/Actions to Comments and Guidance from Government Authorities | July 2014 – September 2014 |

2. Mitigation Measures

The summary of the Environmental Monitoring is shown below.

[Construction Phase]

| Item | Parameter | Frequency and Duration | Locations(At least) |
|-----------|-------------------------------------|---|--|
| Air | PM ₁₀ | 2x24hours Twice/month During entire civil construction stage or even later, if directed by DMRC | 20 locations |
| Water | Groundwater quality (IS 10500:1991) | Once/6months During entire civil construction stage or even later, if directed by DMRC | 20 locations |
| Noise | Noise Level (Leq and Lmax) | 24hours Once/week During entire civil construction stage or even later, if directed by DMRC | 30 locations |
| Vibration | Vibration (RMS) | 24hours Once/week During entire civil construction stage or even later, if directed by DMRC | 10 locations |
| Soil | Heavy Metal | Once/6months During entire civil construction stage | In each Underground Construction Contract |
| Ecology | Felled and planted trees | Once a year till all trees that were to be planted by Delhi Government on behalf of DMRC, are | All the trees felled and newly planted trees |

| | | | |
|--|--|---------|--|
| | | planted | |
|--|--|---------|--|

[Operation Phase]

| Item | Parameter | Frequency and Duration | Locations |
|-------------|--|--|---|
| Air | PM ₁₀ | 2x24hours Once/month For 3years | 10 locations |
| Water | Effluent | Once/4months For 3years | 3 locations(Depot) |
| | Groundwater quality (IS 10500:1991) | Once/year For 3years | 3 locations(Depot) |
| Noise | Noise Level (Leq) | 24hours Once/year For 3years | 15 locations (Sensitive Receptors along the elevated section) |
| Vibration | Vibration level VdB | 24hours Once/year For 3years | 15 locations (Sensitive Receptors along the elevated and underground section) |
| Ecology | Bird Strike | 4times/year(If no bird hit is reported in this duration, then this monitoring may be discontinued, else it will continue). From the beginning, DMRC will instruct its train operator to compulsorily blow the horn while on the bridge across the Yamuna. | On the DMRC Yamuna bridge near Okhla Bird Sanctuary |

2.1 During Construction

When a measured value exceeds the standards, the value is written in bold letters.

Air Quality (Ambient Air Quality)

Date: August 2014

Location: CC-27(Hauz Khas- Vasant vihar) (UG)

| Item | Unit | Measured Value (Mean) | Measured Value (Max.) | Country's Standards | Referred International Standards | Remarks (Measurement Point, Frequency, Method, etc.) |
|------------------|-------------------|--|--------------------------|----------------------------|----------------------------------|---|
| PM ₁₀ | µg/m ³ | Hauz Khas-164.5 IIT – 157.5 Munirika – 166.5 Vasant Vihar - 163 | 167 163 172 168 | 100 (24hours) (CPCB) | - | 2x24hours Twice/month During entire civil construction stage or even later, if directed by DMRC |

Date: August 2014

Location: CC-28(Shakurpur- Mayapuri) (Elevated)

| Item | Unit | Measured Value (Mean) | Measured Value (Max.) | Country's Standards | Referred International Standards | Remarks (Measurement Point, Frequency, Method, etc.) |
|------------------|-------------------|---|---|----------------------------|----------------------------------|---|
| PM ₁₀ | µg/m ³ | Shivaji park-159.25 Shakurpur- 170.7 PunjabiBagh -166.5 Mayapuri – 174.45 Rajouri station– 170.5 | 160.3 174.2 169.6 176.2 172.7 | 100 (24hours) (CPCB) | - | 2x24hours Twice/month During entire civil construction stage or even later, if directed by DMRC |

Date: August 2014

Location: CC-32(Dwarka-IGD) (UG)

| Item | Unit | Measured Value (Mean) | Measured Value (Max.) | Country's Standards | Referred International Standards | Remarks (Measurement Point, Frequency, Method, etc.) |
|------------------|-------------------|---|-----------------------|----------------------------|----------------------------------|---|
| PM ₁₀ | µg/m ³ | Dwarka -160 Palam Station – 169 IGD - 174 | 168 172 178 | 100 (24hours) (CPCB) | - | 2x24hours Twice/month During entire civil construction stage or even later, if directed by DMRC |

Date: July 2014

Location: CC-50Dwarka (Elevated)

| Item | Unit | Measured Value (Mean) | Measured Value (Max.) | Country's Standards | Referred International Standards | Remarks (Measurement Point, Frequency, Method, etc.) |
|------------------|-------------------|-----------------------|-----------------------|----------------------|----------------------------------|---|
| PM ₁₀ | µg/m ³ | Dwarka- 143 | 149 | 100 (24hours) (CPCB) | - | 2x24hours Twice/month During entire civil construction stage or even later, if directed by DMRC |

Ground Water Quality (Drinking Water Quality: IS 10500:1991)

Date: June 2014

Location: Dwarka (Elevated)

| Item | Unit | Measured Value (Mean) | Measured Value (Max.) | Country's Standards | Referred International Standards | Remarks (Measurement Point, Frequency, Method, etc.) |
|---|------|-----------------------|-----------------------|---------------------|----------------------------------|--|
| Color, Hazen units, Max | | | Colourless | 5(25) | - | 20 locations Once/6 months During entire civil construction stage or even later, if directed by DMRC |
| Odour | - | | Unobjectionable | Unobjectionable | - | |
| Taste | - | | Agreeable | Agreeable | - | |
| Turbidity, NTU, Max | - | | 2.51 | 5(10) | - | |
| pH Value | - | | 7.81 | 6.5-8.5 | - | |
| Total Hardness (as CaCO ₃), Max | mg/l | | 253.6 | 300(600) | - | |
| Iron (as Fe), max | mg/l | | 0.05 | 0.3(1.0) | - | |
| Chloride (as Cl), Max | mg/l | | 87.4 | 250(1000) | - | |
| Residual free Chlorine, Min | mg/l | | 0.16 | 0.2 | - | |
| Fluoride (as F), Max | mg/l | | 1.37 | 1.0(1.5) | - | |
| Dissolved solids, Max | mg/l | | 1149 | 500(2000) | - | |

| | | | | | |
|---|------|--|------|--------------|---|
| Calcium(as Ca), Max | mg/l | | | 75(200) | - |
| Magnesium(as Mg), Max | mg/l | | BDL | 30(100) | - |
| Copper(as Cu), Max | mg/l | | BDL | 0.05(1.5) | - |
| Manganese(as Mn), Max | mg/l | | BDL | 0.1(0.3) | - |
| Sulphate(as SO ₄), Max | mg/l | | 51.6 | 200(400) | - |
| Nitrate(as NO ₂), Max | mg/l | | 7.24 | 45(100) | - |
| Phenolic compounds (as C ₆ H ₅ OH), Max | mg/l | | BDL | 0.001(0.002) | - |
| Mercury(as Hg), Max | mg/l | | BDL | 0.001 | - |
| Cadmium(as Cd), Max | mg/l | | BDL | 0.01 | - |
| Selenium(as Se), Max | mg/l | | BDL | 0.01 | - |
| Arsenic(as As), Max | mg/l | | BDL | 0.05 | - |
| Cyanide(as CN), Max | mg/l | | BDL | 0.05 | - |
| Lead(as Pb), Max | mg/l | | BDL | 0.05 | - |
| Zinc(as Zn), Max | mg/l | | 0.54 | 5(15) | - |
| Anionic Detergents (as MBAS), Max | mg/l | | BDL | 0.2(1.0) | - |
| Chromium (as Cr ⁶⁺), Max | mg/l | | BDL | 0.05 | - |
| Polynuclear aromatic hydrocarbons(as PAH), Max | mg/l | | BDL | - | - |
| Mineral Oil | mg/l | | BDL | 0.01 | - |
| Pesticides, Max | mg/l | | | Absent | - |
| Radioactive Materials, Max | Bq/l | | | -(0.1) | - |

| | | | | | | |
|----------------------------|-------|--|------|-----------|--|---|
| a) Alpha emitters | | | | | | |
| Radioactive Materials, Max | Pci/l | | | | | |
| b) Beta emitters | | | | | | |
| Alkalinity, Max | mg/l | | 91.8 | 200(600) | | - |
| Aluminum(as Al), Max | mg/l | | BDL | 0.03(0.2) | | - |
| Boron,Max | mg/l | | BDL | 1(5) | | - |

Date: July 2014

Location: Hauzkhas (UG)

| Item | Unit | Measured Value (Mean) | Measured Value (Max.) | Country's Standards | Referred International Standards | Remarks (Measurement Point, Frequency, Method, etc.) |
|---|------|-----------------------|-----------------------|---------------------|----------------------------------|---|
| Color,Hazen units,Max | | | <5 | 5(25) | - | 20 locations Once/6 months |
| Odour | - | | Unobjectionable | Unobjectionable | - | |
| Taste | - | | Agreeable | Agreeable | - | During entire civil construction stage or even later, if directed by DMRC |
| Turbidity,NTU, Max | - | | <1 | 5(10) | - | |
| pH Value | - | | 7.54 | 6.5-8.5 | - | |
| Total Hardness (as CaCO ₃), Max | mg/l | | 232 | 300(600) | - | |
| Iron(as Fe) ,max | mg/l | | 0.02 | 0.3(1.0) | - | |
| Chloride(as Cl), Max | mg/l | | 36.12 | 250(1000) | - | |
| Residual free Chlorine, Min | mg/l | | Nil | 0.2 | - | |
| Fluoride(as F), Max | mg/l | | 0.44 | 1.0(1.5) | - | |
| Dissolved solids, Max | mg/l | | 402 | 500(2000) | - | |
| Calcium(as Ca), Max | mg/l | | 52.90 | 75(200) | - | |
| Magnesium(as Mg), Max | mg/l | | 24.3 | 30(100) | - | |
| Copper(as Cu), Max | mg/l | | <0.01 | 0.05(1.5) | - | |
| Manganese(as Mn), Max | mg/l | | <0.01 | 0.1(0.3) | - | |

| | | | | | |
|---|-------|--|--------|--------------|---|
| Sulphate(as SO ₄), Max | mg/l | | 75.04 | 200(400) | - |
| Nitrate(as NO ₂), Max | mg/l | | 0.18 | 45(100) | - |
| Phenolic compounds (as C ₆ H ₅ OH),Max | mg/l | | <0.001 | 0.001(0.002) | - |
| Mercury(as Hg), Max | mg/l | | <0.001 | 0.001 | - |
| Cadmium(as Cd), Max | mg/l | | <0.01 | 0.01 | - |
| Selenium(as Se), Max | mg/l | | <0.01 | 0.01 | - |
| Arsenic(as As), Max | mg/l | | <0.01 | 0.05 | - |
| Cyanide(as CN), Max | mg/l | | <0.005 | 0.05 | - |
| Lead(as Pb), Max | mg/l | | <0.01 | 0.05 | - |
| Zinc(as Zn), Max | mg/l | | <0.01 | 5(15) | - |
| Anionic Detergents (as MBAS),Max | mg/l | | <0.01 | 0.2(1.0) | - |
| Chromium (as Cr6 ⁺),Max | mg/l | | <0.01 | 0.05 | - |
| Polynuclear aromatic hydrocarbons(as PAH),Max | mg/l | | NDL | - | - |
| Mineral Oil | mg/l | | <0.01 | 0.01 | - |
| Pesticides, Max | mg/l | | | Absent | - |
| Radioactive Materials, Max c) Alpha emitters | Bq/l | | ND | -(0.1) | - |
| Radioactive Materials, Max d) Beta emitters | Pci/l | | ND | -(1) | - |
| Alkalinity, Max | mg/l | | 244.86 | 200(600) | - |
| Aluminum(as Al), Max | mg/l | | <0.01 | 0.03(0.2) | - |
| Boron,Max | mg/l | | <0.01 | 1(5) | - |

Date: June 2014

Location: Dwarka Sector-20 (UG)

| Item | Unit | Measured Value (Mean) | Measured Value (Max.) | Country's Standards | Referred International Standards | Remarks (Measurement Point, Frequency, Method, etc.) |
|---|------|-----------------------|-----------------------|---------------------|----------------------------------|---|
| Color, Hazen units, Max | | | <5 | 5(25) | - | 20 locations Once/6 months |
| Odour | - | | Unobjectionable | Unobjectionable | - | |
| Taste | - | | Agreeable | Agreeable | - | During entire civil construction stage or even later, if directed by DMRC |
| Turbidity, NTU, Max | - | | 12 | 5(10) | - | |
| pH Value | - | | 7.32 | 6.5-8.5 | - | |
| Total Hardness (as CaCO ₃), Max | mg/l | | 2760 | 300(600) | - | |
| Iron (as Fe), max | mg/l | | 1.18 | 0.3(1.0) | - | |
| Chloride (as Cl), Max | mg/l | | 2340.87 | 250(1000) | - | |
| Residual free Chlorine, Min | mg/l | | NIL | 0.2 | - | |
| Fluoride (as F), Max | mg/l | | 0.28 | 1.0(1.5) | - | |
| Dissolved solids, Max | mg/l | | 5074 | 500(2000) | - | |
| Calcium (as Ca), Max | mg/l | | 641.28 | 75(200) | - | |
| Magnesium (as Mg), Max | mg/l | | 281.88 | 30(100) | - | |
| Copper (as Cu), Max | mg/l | | <0.01 | 0.05(1.5) | - | |
| Manganese (as Mn), Max | mg/l | | <0.01 | 0.1(0.3) | - | |
| Sulphate (as SO ₄), Max | mg/l | | 26.28 | 200(400) | - | |
| Nitrate (as NO ₂), Max | mg/l | | 4.88 | 45(100) | - | |
| Phenolic compounds (as C ₆ H ₅ OH), Max | mg/l | | <.001 | 0.001(0.002) | - | |
| Mercury (as | mg/l | | | 0.001 | - | |

| | | | | | | |
|---|-------|--|--------|-----------|---|--|
| Hg), Max | | | <0.001 | | | |
| Cadmium(as Cd), Max | mg/l | | <0.01 | 0.01 | - | |
| Selenium(as Se), Max | mg/l | | <0.01 | 0.01 | - | |
| Arsenic(as As), Max | mg/l | | <0.01 | 0.05 | - | |
| Cyanide(as CN), Max | mg/l | | <0.005 | 0.05 | - | |
| Lead(as Pb), Max | mg/l | | <0.01 | 0.05 | - | |
| Zinc(as Zn), Max | mg/l | | <0.01 | 5(15) | - | |
| Anionic Detergents (as MBAS),Max | mg/l | | | 0.2(1.0) | - | |
| Chromium (as Cr ⁶⁺),Max | mg/l | | <0.01 | 0.05 | - | |
| Polynuclear aromatic hydrocarbons(as PAH),Max | mg/l | | | - | - | |
| Mineral Oil | mg/l | | <0.01 | 0.01 | - | |
| Pesticides, Max | mg/l | | | Absent | - | |
| Radioactive Materials, Max e) Alpha emitters | Bq/l | | | -(0.1) | - | |
| Radioactive Materials, Max f) Beta emitters | Pci/l | | | -(1) | - | |
| Alkalinity, Max | mg/l | | 252.42 | 200(600) | - | |
| Aluminum(as Al), Max | mg/l | | <0.01 | 0.03(0.2) | - | |
| Boron,Max | mg/l | | <.01 | 1(5) | - | |

Date: June 2014

Location: ESI (Elevated)

| Item | Unit | Measure d Value (Mean) | Measured Value (Max.) | Country's Standards | Referred Internation al Standards | Remarks (Measurem ent Point, Frequency, Method, etc.) |
|--------------------------|------|------------------------------|-----------------------------|------------------------|--|--|
| Color,Hazen units,Max | | | <5 | 5(25) | - | 20 locations Once/6 |

| | | | | | | |
|---|------|--|---------------------|---------------------|---|---|
| Odour | - | | Unobjection able | Unobjection able | - | months During entire civil construction stage or even later, if directed by DMRC |
| Taste | - | | Saline | Agreeable | - | |
| Turbidity,NTU, Max | - | | <2 | 5(10) | - | |
| pH Value | - | | 6.91 | 6.5-8.5 | - | |
| Total Hardness (as CaCO ₃), Max | mg/l | | 1040 | 300(600) | - | |
| Iron(as Fe) ,max | mg/l | | 0.36 | 0.3(1.0) | - | |
| Chloride(as Cl), Max | mg/l | | 719.8 | 250(1000) | - | |
| Residual free Chlorine, Min | mg/l | | 0.2 | 0.2 | - | |
| Fluoride(as F), Max | mg/l | | 0.98 | 1.0(1.5) | - | |
| Dissolved solids, Max | mg/l | | 1904 | 500(2000) | - | |
| Calcium(as Ca), Max | mg/l | | 262.9 | 75(200) | - | |
| Magnesium(as Mg), Max | mg/l | | 93.3 | 30(100) | - | |
| Copper(as Cu), Max | mg/l | | 0.024 | 0.05(1.5) | - | |
| Manganese(as Mn), Max | mg/l | | 93.3 | 0.1(0.3) | - | |
| Sulphate(as SO ₄), Max | mg/l | | 270.2 | 200(400) | - | |
| Nitrate(as NO ₂), Max | mg/l | | 35.9 | 45(100) | - | |
| Phenolic compounds (as C ₆ H ₅ OH),Max | mg/l | | <.001 | 0.001(0.002) | - | |
| Mercury(as Hg), Max | mg/l | | <0.001 | 0.001 | - | |
| Cadmium(as Cd), Max | mg/l | | <0.01 | 0.01 | - | |
| Selenium(as Se), Max | mg/l | | <0.01 | 0.01 | - | |
| Arsenic(as As), Max | mg/l | | <0.01 | 0.05 | - | |
| Cyanide(as | mg/l | | | 0.05 | - | |

| | | | | | | |
|---|-------|--|-------|-----------|---|--|
| CN), Max | | | <0.05 | | | |
| Lead(as Pb), Max | mg/l | | 0.012 | 0.05 | - | |
| Zinc(as Zn), Max | mg/l | | 0.81 | 5(15) | - | |
| Anionic Detergents (as MBAS),Max | mg/l | | <0.05 | 0.2(1.0) | - | |
| Chromium (as Cr6+),Max | mg/l | | 0.05 | 0.05 | - | |
| Polynuclear aromatic hydrocarbons(as PAH),Max | mg/l | | | - | - | |
| Mineral Oil | mg/l | | | 0.01 | - | |
| Pesticides, Max | mg/l | | | Absent | - | |
| Radioactive Materials, Max g) Alpha emitters | Bq/l | | | -(0.1) | - | |
| Radioactive Materials, Max h) Beta emitters | Pci/l | | | -(1) | - | |
| Alkalinity, Max | mg/l | | 328 | 200(600) | - | |
| Aluminum(as Al), Max | mg/l | | <0.01 | 0.03(0.2) | - | |
| Boron,Max | mg/l | | <.25 | 1(5) | - | |

Noise / Vibration

Date: August 2014

Location: CC-32 (Dwarka to IGD) (UG)

| Item | Unit | Measured Value (L _{eq}) | Measured Value (L _{Max}) | Country's Standards (Environmental Management Manual by DMRC) | Occupancy | Remarks (Measurement Point, Frequency, Method, etc.) |
|----------------------------|-------|--|------------------------------------|---|-------------|--|
| Noise level (Leq) and Lmax | dB(A) | Dwarka Sector - 20 Leq(Day)-67.2 Leq(night)- 53.9 Lmin- 40.8 | 77.5 | <u>National Standards</u> <u>Area</u> <u>Leq(d)</u> <u>Leq(n)</u> Resi 55 45 Comm 65 55 | Residential | 30 locations 24hours/time Once/week |

| | | | | | | |
|--|--|---|------|--|----------------------------------|--|
| | | L50 – 64.1 L10 – 67.3 Lmin- 46.0 | | | residential * | |
| | | ESI station Leq – 55.8 L90 -44.8 L50 – 54.2 L10 – 60.4 Lmin- 36.1 | 70.3 | | Commercial / residential * | |

Date: August, 2014

Location: CC-27(Hauz khas- Vasant vihar)(UG)

| Item | Unit | Measured Value (L _{eq}) | Measured Value (L _{Max}) | Country's Standards (Environmental Management Manual by DMRC) | Occupancy | Remarks (Measurement Point, Frequency, Method, etc.) |
|----------------------------|-------|--|------------------------------------|---|---------------------------------|--|
| Noise level (Leq) and Lmax | dB(A) | Hauz Khas L50 - 71.27 L90 - 68.81 L10- 73.23 Leq- 71.27 | 74.12 | <u>National Standards</u> <u>Area</u> <u>Leq(d)</u> Resi 55 45 Comm 65 55 Indstl 75 70 Silence 50 40 | Residential | 30locations 24hours/time Once/week |
| | | IIT L50 - 71.69 L90 - 69.21 L10 - 73.63 Leq -71.69 | 74.18 | <u>DMRC</u> <u>Env</u> <u>Manual</u> (when pre construction levels are not known) | Residential | During entire civil construction stage or even later, if directed by DMRC |
| | | Munirika L50 - 71.54 L90 - 69.05 L10- 73.48 Leq -71.54 | 74.07 | | Commercial /Residential * | |
| | | Vasant Vihar L50 – 71.64 L90 – 69.18 L10- 73.6 Leq- 71.64 | 74.19 | Resi Lmax Daytime: 75 Nighttime: 65 Comm & and Indstl At all time: 85 | Residential | |

Date: August 2014

Location: CC-50 (Elevated)

| Item | Unit | Measured Value (L _{eq}) | Measured Value (L _{Max}) | Country's Standards (Environmental Management Manual by DMRC) | Occupancy | Remarks (Measurement Point, Frequency, Method, etc.) |
|----------------------------|-------|---|------------------------------------|--|-------------|---|
| Noise level (Leq) and Lmax | dB(A) | Dwarka Leq-69.4 L10- 70.8 L90- 62.3 | 81.3 | <u>National Standards</u> <u>Area</u> <u>Leq(d)</u> Resi 55 45 Comm 65 55 Indstl 75 70 Silence 50 40 <u>DMRC Env Manual</u> (when pre construction levels are not known) Resi Lmax Daytime: 75 Nighttime: 65 Comm & and Indstl At all time: 85 | Residential | 30locations 24hours/time Once/week During entire civil construction stage or even later, if directed by DMRC |

* Commercial/Residential indicates exposed building along the viaduct is used for commercial purpose however subsequent rows of buildings are residential.

Excavated soil (Leaching test)

Date: June 2014

Location: Hauz khas

| Item | Unit | Measured Value (Mean) | Measured Value (Max.) | Country's Standards | Referred International Standards | Remarks (Measurement Point, Frequency, Method, etc.) |
|-----------------|------|-----------------------|-----------------------|---------------------|----------------------------------|--|
| Mercury(as Hg) | mg/l | | ≤0.01 | - | 0.0005 | In each Underground Construction Contract Once/6months |
| Cadmium(as Cd) | mg/l | | ≤0.01 | - | 0.01 | |
| Arsenic(as As) | mg/l | | ≤0.1 | - | 0.01 | |

| | | | | | | |
|--------------------------------|------|--|-------|---|--------------|---|
| Cyanide(as CN) | mg/l | | ND | - | Not detected | During entire civil construction stage Samples should be taken from the underground lowest point. |
| Lead(as Pb) | mg/l | | 18.15 | - | 0.01 | |
| Chromium(as Cr6 ⁺) | mg/l | | ≤0.01 | - | 0.05 | |

Date:August 2014

Location:BCP

| Item | Unit | Measured Value (Mean) | Measured Value (Max.) | Country's Standards | Referred International Standards | Remarks (Measurement Point, Frequency, Method, etc.) |
|--------------------------------|------|-----------------------|-----------------------|---------------------|----------------------------------|--|
| Mercury(as Hg) | mg/l | | ≤0.001 | - | 0.0005 | In each Underground Construction Contract Once/6months During entire civil construction stage Samples should be taken from the underground lowest point. |
| Cadmium(as Cd) | mg/l | | ≤0.005 | - | 0.01 | |
| Arsenic(as As) | mg/l | | ≤0.01 | - | 0.01 | |
| Cyanide(as CN) | mg/l | | ≤0.05 | - | Not detected | |
| Lead(as Pb) | mg/l | | ≤0.01 | - | 0.01 | |
| Chromium(as Cr6 ⁺) | mg/l | | ≤0.05 | - | 0.05 | |

Excavated soil (Amount)

Date:

| Line | Excavated Amount Approx.(⁰⁰⁰ m ³) | Name of Disposed Site | Disposed Amount Approx.(⁰⁰⁰ m ³) |
|--------|---|-----------------------|--|
| Line-2 | | | - |
| Line-6 | | | - |
| Line-7 | | | - |
| Line-8 | | | - |

Ecological Monitoring (Flora Monitoring)

| CPM | Permission to fell trees | No. of trees actually felled | No. of trees planted | No. of trees transplanted | Location of plantation |
|-----|--------------------------|------------------------------|----------------------|---------------------------|------------------------|
| | | | | | |

| | | | | | |
|-------|--|--|--|--|--|
| CPM-1 | | | | | |
| CPM-2 | | | | | |
| CPM-3 | | | | | |
| CPM-4 | | | | | |
| CPM-5 | | | | | |
| CPM-6 | | | | | |
| CPM-7 | | | | | |
| CPM-8 | | | | | |
| CPM-9 | | | | | |