CONTRACT No.NGNDD-01 ENGAGEMENT OF DETAILED DESIGN CONSULTANT (DDC)
FOR CIVIL,ARCHITECTURAL AND E&M WORKS OF NOIDA- GREATER NOIDA METRO
CORRIDOR FROM SECTOR-51 NOIDA TO GREATER NOIDA SECTOR-2, CONSISTING
OF 9.605 KM VIADUCT INCLUDING 5 ELEVATED STATIONS

TENDER DRAWINGS
(REVISED R1)
VOL - 1

SEP - 2020
VIADUCT
<table>
<thead>
<tr>
<th>SL.</th>
<th>DRAWING TITLE</th>
<th>DRAWING NO.</th>
<th>SHEET</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GENERAL ALIGNMENT DRAWING OF PLAN AND PROFILE</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-P&amp;P-1001</td>
<td>1 OF 32 TO 32 OF 32</td>
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<td>GENERAL ARRANGEMENT DRAWINGS</td>
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<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-3001</td>
<td>1 OF 1</td>
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<td>TYPICAL SPAN PLAN AND ELEVATION OF SUPER STR</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-3002</td>
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<td>TYPICAL PIER CAP CROSS SECTION AND U GIRDER SECTION</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-3003</td>
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<tr>
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<td>STRAIGHT SPAN PRESTRESSING LAYOUT PLAN</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-3004</td>
<td>1 OF 1</td>
</tr>
<tr>
<td>7</td>
<td>TYPICAL DETAIL OF CAST IN SITU PORTAL BEAM AND PIER</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-3005</td>
<td>1 OF 1</td>
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<td>TYPICAL DETAIL OF PRECAST PORTAL BEAM AND PIER</td>
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<td>1 OF 1</td>
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<td>TYPICAL DETAIL OF CANTILEVER PIER</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-3007</td>
<td>1 OF 1</td>
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<td>10</td>
<td>DETAIL OF PILE AND PILE CAP</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-3008</td>
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<tr>
<td>11</td>
<td>SPACIAL SPAN OF 54.0M SUPER STR</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-3009</td>
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<tr>
<td>12</td>
<td>SPACIAL SPAN OF 54.0M SUPER STR</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-3009</td>
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<td>13</td>
<td>EARTHING ARRANGEMENT</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-MISC-4001</td>
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<td>14</td>
<td>EARTHING ARRANGEMENT</td>
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<td>16</td>
<td>OHE MAST ANCHORES</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-MISC-4004</td>
<td>1 OF 1</td>
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<tr>
<td>17</td>
<td>DETAIL OF CABLE TRAY</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-MISC-4005</td>
<td>1 OF 1</td>
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<tr>
<td>18</td>
<td>DETAILS OF PROTECTIVE CRASH BARRIER AROUND COLUMNS</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-MISC-4006</td>
<td>1 OF 1</td>
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<tr>
<td>19</td>
<td>TYPICAL DRAWING OF BARRICADING 1M HT</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-MISC-4007</td>
<td>1 OF 2</td>
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<tr>
<td>20</td>
<td>TYPICAL DRAWING OF BARRICADING 2 M HT</td>
<td>NGNDD-01-LKT-NMRC-ST-03-CP-ST-MISC-4008</td>
<td>2 OF 2</td>
</tr>
</tbody>
</table>
PLAN AND PROFILE
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.
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Spiral 1: Radius in=INFINITY, Radius out=1500.000, Length=25.000

Curve 1: Radius=1500.000, Length=105.395, Delta=175.9742

Spiral 2: Radius in=1500.000, Radius out=INFINITY, Length=25.000

R=1500.00m

L=25.00m

E=735639.0
N=3166007.01
L=105.40m
S=80 km/h

CIVIL
MEP S & T
MGR  (Arch)
DGM  (Design)
DGM  (CIVIL)
GM  (Technical)
DGM (E&M)
DGM  (RS)
SDGM  (P&T)
DGM  (TEL)
DGM  (S&T)
GM  (S&T)
QUALITY ASSURANCE

The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.

TENTATIVE TENDER DRAWINGS

NGNDD-01-LKT-NMRC-ST-03-CP-P&P-1001 11 OF 32

TO NOIDA CITY CENTRE

TO GREATER NOIDA

rail lvl

Existing Ground Levels

Vertical Geometry

Horizontal Geometry

CHAINAGE

ELEVATION
**Existing Ground Levels**

**Rail lvl**

**Vertical Geometry**

- **Horizontal Geometry**
  - **Spiral 1:** Radius in=INFINITY, Radius out=1500.000, Length=25.000
  - **Curve 1:** Radius=1500.000, Length=105.395, Delta=175.9742
  - **Spiral 2:** Radius in=1500.000, Radius out=INFINITY, Length=25.000

- **Horizontal Geometry**
  - **Spiral 1:** Radius in=INFINITY, Radius out=1200.000, Length=20.000
  - **Curve 1:** Radius=1200.000, Length=124.212, Delta=174.0693
  - **Spiral 2:** Radius in=1200.000, Radius out=INFINITY, Length=20.000

- **Horizontal Geometry**
  - **Spiral 1:** Radius in=INFINITY, Radius out=1000.000, Length=25.000
  - **Curve 1:** Radius=1000.000, Length=11.936, Delta=179.3161
  - **Spiral 2:** Radius in=1000.000, Radius out=INFINITY, Length=25.000

**CHAINAGE**

<table>
<thead>
<tr>
<th>CH</th>
<th>L=530.00</th>
<th>G=0.00%</th>
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</thead>
<tbody>
<tr>
<td>3+440</td>
<td>R=150.00m</td>
<td>L=25.00m</td>
</tr>
<tr>
<td>3+460</td>
<td>L=39.39m</td>
<td>L=20.00m</td>
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<tr>
<td>3+480</td>
<td>L=20.00m</td>
<td>L=20.00m</td>
</tr>
<tr>
<td>3+500</td>
<td></td>
<td></td>
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</tbody>
</table>

**Legend**

- **Rail lvl**
- **Existing Ground Levels**

**ELEVATION**

**TENTATIVE TENDER DRAWINGS**

**GENERAL ALIGNMENT DRAWING FROM CH=3+460 to 3+780**

**QUALITY ASSURANCE**

- The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.
**Rail lvl**

**Existing Ground Levels**

Vertical Geometry

<table>
<thead>
<tr>
<th>CHAINAGE</th>
<th>ELEVATION</th>
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<tbody>
<tr>
<td>3+780</td>
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<tr>
<td>3+790</td>
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<tr>
<td>3+800</td>
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<td>3+830</td>
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</tr>
<tr>
<td>4+090</td>
<td></td>
</tr>
<tr>
<td>4+100</td>
<td></td>
</tr>
</tbody>
</table>

Horizontal Geometry

Radius in=INFINITY, Radius out=1000.000, Length=25.000

Radius in=1000.000, Length=11.936, Delta=179.316

Radius in=1000.000, Radius out=INFINITY, Length=25.000

**ELEVATION**

**TENTATIVE TENDER DRAWINGS**

**QUALITY ASSURANCE**

The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.

**SCALE**

1:200

**REV.**

**DATE**

26-Sep-20

**CONSULTANT:**

**CLIENT:**

**PROJECT:**

FLAT NO. 75/288 SFS G-8-A

RAJOURI APARTMENT, RAJOURI GARDEN

NEW DELHI-110064 Phone:+ 011-4 5 5 6 5 8 1 4 - 1 8

info@lktengeering.com

**CHECKED BY**

**APPROVED BY**

**DRAWN BY**

GM (RS&E)

**REVISIONS**

REVISED AS PER COMMENTS NMRC 26-09-20

**LEGEND**

**GENERAL**

**ALIGNMENT**

**DRAWING FROM CH:3+780 to 4+100**

**NOTE:**

No objection by NMRC Ltd.
Spiral 1: Radius in=INFINITY, Radius out=2500.000, Length=25.000
Curve 1: Radius=2500.000, Length=111.619, Delta=177.4419
Spiral 2: Radius in=2500.000, Radius out=INFINITY, Length=25.000

Spiral 1: Radius in=INFINITY, Radius out=1000.000, Length=20.000
Curve 1: Radius=1000.000, Length=55.792, Delta=176.8033
Spiral 2: Radius in=1000.000, Radius out=INFINITY, Length=20.000

Spiral 1: Radius in=INFINITY, Radius out=800.000, Length=25.000
Curve 1: Radius=800.000, Length=9.589, Delta=179.3132
Spiral 2: Radius in=800.000, Radius out=INFINITY, Length=25.000

ELEVATION

RJIL
OFC
RJIL
OFC
MODIFIED
MEDIAN

4+500
4+600
4+700

4+413.11
4+524.73
4+549.73
4+565.87
4+585.87
4+641.66
4+661.66
4+714.98
4+739.98
4+749.56

CH=4+468.933 km
R= 2500.0 m
E= 736619.6
N= 3166290.04
L=111.62m
S= 80 km/h

CH=4+613.770 km
R= 1000.0 m
E= 736755.9
N= 3166339.22
L=55.79m
S= 80 km/h

CH=4+744.770 km
R= 800.0 m
E= 736882.2
N= 3166374.25
L=9.59m
S= 80 km/h

rail lvl

existing ground levels

rail lvl

existing ground levels

vertical geometry

horizontal geometry

chainage

rail lvl

exisiting ground levels

rail lvl

existing ground levels

vertical geometry

horizontal geometry

chainage

rail lvl

exisiting ground levels

rail lvl

existing ground levels

vertical geometry

horizontal geometry

chainage

rail lvl

exisiting ground levels

rail lvl

existing ground levels

vertical geometry

horizontal geometry

chainage
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Spiral 1: Radius in=INFINITY, Radius out=810.000, Length=40.000
Curve 1: Radius=810.000, Length=468.921, Delta=146.8306
Spiral 2: Radius in=810.000, Radius out=INFINITY, Length=40.000

R=810.00m
L=297.91
G=0.05%
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QUALITY ASSURANCE

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SCALE
REV.
DATE

CONSULTANT:
CLIENT:
PROJECT:
FLAT NO. 75/288 SFS G-8-A
RAJOURI APPARTMENT, RAJOURI GARDEN
NEW DELHI-110064 Phone:+ 011-4 5 5 6 5 8 1 4 - 1 8
info@lkteingeniering.com

CHECKED BY
APPROVED BY
DRAWN BY

QUALITY ASSURANCE
GENERAL
ARRANGEMENT
DRAWINGS
TO NOIDA CITY CENTRE

TO GREATER NOIDA

LEGEND:
1. P = STANDARD PIER
2. PP = PORTAL PIER
3. CP = CNTILEVER PIER

ELEVATION

DRG. NO.: TITLE:

No. DESCRIPTION BY DATE

REVISIONS

KEY PLAN:

NO OBJECTION BY NMRC LTD.

SIGNATURE

NAMEDATE

PROJECT MGR

DESIGNED BY

CIVIL

MEPS & T

MGR (Arch)

DGM (Design)

DGM (CIVIL)

GM (Technical)

DGM (E&M)

DGM (RS)

SDGM (P&T)

DGM (TEL)

DGM (S&T)

GM (S&T)

QUALITY ASSURANCE

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SCALE

REV.

DATE

CONSULTANT:

CLIENT:

PROJECT:

FLAT NO. 75/288 SFS G-8-A
RAJOURI APPARTMENT, RAJOURI GARDEN
NEW DELHI-110064 Phone:+ 011-4 5 5 6 5 8 1 4 - 1 8
info@lktechnical.com

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DRAWN BY

NGNDD-01-LKT-NMRC-ST-03-CP-ST-GAD-20011 OF 32

R1
SEP-20
1:200
26-Sep-20
26-Sep-20
26-Sep-20
26-Sep-20
26-Sep-20
26-Sep-20
26-Sep-20
26-Sep-20

TENTATIVE TENDER DRAWINGS

GENERAL ARRANGEMENT DRAWING

ELEVATION

TENTATIVE TENDER DRAWINGS

GENERAL ARRANGEMENT DRAWING

ELEVATION
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LEGEND:
1. P = STANDARD PIER
2. PP = PORTAL PIER
3. CP = CNTILEVER PIER

GENERAL ARRANGEMENT DRAWING

MODIFIED FOOTPATH

Chainage

1.22952
1.25652
1.28352
1.31052
1.33752
1.5185
1.5455
1.5725

Existing Ground Levels

TO NOIDA CITY CENTRE

TO GREATER NOIDA

NOIDA SEC.122
CH:1421.510m.
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LEGEND
1. P = STANDARD PIER
2. PP = PORTAL PIER
3. CP = CNTILEVER PIER

EXISTING GROUND LEVELS

27.000  27.000  27.000  27.000  54.000

3.0420  3.0790  3.1430  3.1600  3.1840

201.875  201.966  202.023  202.190  201.894

2.7990  2.8260  2.8530  2.8800  2.9070

To NoiDA City Centre
To Greater NoiDA

QUALITY ASSURANCE

ELEVATION
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Legend:
- P = STANDARD PIER
- PP = PORTAL PIER
- CP = CNTILEVER PIER

Elevation:
- Chainage
- Rail lvl
- Existing Ground Levels

Levels:
- Existing Ground Levels
- Rail lvl

Plan:
- General Arrangement Drawing
- Tentative Tender Drawings

Details:
- Project:
  - CONTRACT NO: NGNDD-01
  - ENGAGEMENT OF DETAILED DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL AND E&M WORKS OF NOIDA-GREAT NOIDA METRO CORRIDOR FROM SECTOR-51 NOIDA TO GREATER NOIDA SECTOR-2, CONSISTING OF 9.605 KM VIADUCT INCLUDING 5 ELEVATED STATIONS

Signatures:
- Designed by
- Checked by
- Approved by
- Drawn by
- Key Plan
- Elevation

Scale:
- 1:200

Date:
- 26-Sep-20
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.

**GENERAL ARRANGEMENT DRAWING**

**CHAINAGE**

**ELEVATION**

**TENTATIVE TENDER DRAWINGS**

**LEGEND:**
- P = STANDARD PIER
- PP = Portal Pier
- CP = Cantilever Pier

**CONSULTANT:**
- Lokte Engineering

**CLIENT:**
- FLAT NO. 75/288 SFS G-8-A
- RAJOURI APPARTMENT, RAJOURI GARDEN
- NEW DELHI-110064
- Phone: +011-45565814
- info@lokteengineering.com

**PROJECT MGR:**
- Desgined by Civil
- MGR (Arch)
- DGM (Design)
- DGM (Civil)
- GM (Technical)
- DGM (E&M)
- DGM (RS)
- SDGM (P&T)
- DGM (TEL)
- DGM (S&T)
- GM (S&T)

**QUALITY ASSURANCE**
LEGEND:
1. P = STANDARD PIER
2. PP = PORTAL PIER
3. CP = CNTILEVER PIER

QUALITY ASSURANCE
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GENERAL ARRANGEMENT DRAWING

ELEVATION

TENTATIVE TENDER DRAWINGS

PROJECT:
CONTRACT NO: NOIDA-01
ENGAGEMENT OF DETAILED DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL AND E&M WORKS OF NOIDA-GREAT NOIDA METRO CORRIDOR FROM SECTOR-51 NOIDA TO GREATER NOIDA SECTOR-2, CONSISTING OF 9.605 KM VIADUCT INCLUDING 5 ELEVATED STATIONS

CONSULTANT:
CLIENT:

NO. DESCRIPTION
REVISIONS

NO.: 75/288 SFS G-8-A
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NEW DELHI-110064
Phone:+ 011-4 5 5 6 5 8 1 4 - 1 8
infot@lktengeering.com

CHECKED BY
APPROVED BY
DRAWN BY

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ENGINEERING DRAWINGS
SFS G-8-A

P318
P319
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P323
P324
P325

9.2012
9.2282
9.2552
9.2822
9.4632
9.4902
9.5172
9.5442

9.2012
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207.207
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207.208
207.219

207.219
207.208
207.208
207.207

27.000
27.000
27.000
27.000

27.000
27.000
27.000
27.000

9+200
9+300
9+400
9+500
CS: 9+204.60
ST: 9+229.60

207.36
207.08
207.108
207.279
207.417
207.119
207.207
219.258
219.064
218.831
218.637
218.557
218.557
218.557
218.557
218.557

Chainage
Rail lvl
Existing Ground Levels

0x-6
3938x-387
67
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.

**LEGEND:**
- 1 = STANDARD PIER
- 2 = PP = PORTAL PIER
- 3 = CP = CANTILEVER PIER

---

**CHAINAGE**

<table>
<thead>
<tr>
<th>Chainage</th>
<th>Rail lvl</th>
<th>Existing Ground Levels</th>
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</thead>
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<tr>
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<td>207.55</td>
<td>207.61</td>
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<td>207.61</td>
</tr>
<tr>
<td>9.8412</td>
<td>207.55</td>
<td>207.61</td>
</tr>
</tbody>
</table>

---

**GENERAL ARRANGEMENT DRAWING**

**TENTATIVE TENDER DRAWINGS**
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.
QUALITY ASSURANCE

The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.

TENTATIVE TENDER DRAWINGS

STANDARD STRAIGHT SPAN
(concrete outline)

TYPICAL PIER CAP CROSS
SECTION AND GIRDER

WEBs DETAILS
SCALE: 1/25
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.
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CONTRACT No.NN020-01
ENGAGEMENT OF DETAILED DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL AND E&M WORKS OF NOIDA-GREATER NOIDA METRO CORRIDOR FROM SECTOR-51 NOIDA TO GREATER NOIDA CONSISTING OF 9.605 KM VIADUCT INCLUDING 5 ELEVATED STATIONS TO NOIDA CITY CENTRE TO GREATER NOIDA

QUALITY ASSURANCE

TENTATIVE TENDER DRAWINGS LTD.

DIMENSION DETAILS OF SUPERSTRUCTURE FOR 54.0M EXP. TO EXP. OPEN WEB GIRDER (WELDED THROUGH TYPE)
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.
TYPICAL EARTH TERMINAL DETAIL FOR CONNECTION E2

SCALE: 1/10

- EART TERMINAL
- EARTH PLATE WELDED TO EARTHING BAR

BAR DETAIL

A = 1655
B = 1830
a1 = 5
a2 = 36
a3 = 12
a4 = 28
a5 = 6
r1 = 175
r2 = 100
r3 = 4050
r4 = 100
r5 = 5320

TYPICAL CROSS SECTION AT PIERS
NO CONNECTION TO BEC

SECTION Y-Y
SCALE: 1/20

SECTION X-X
SCALE: 1/20

DETAIL-1
SCALE: 1/20

DETAIL-2
SCALE: 1/20

SECTION Y-Y
TYPICAL CROSS SECTION AT PIERS
NO CONNECTION TO BEC

SECTION X-X
TYPICAL CROSS SECTION AT PIERS
NO CONNECTION TO BEC

BRAZING
LENGTH L
TO BE ADJUSTED ACCORDING TO ACTUAL DISTANCE BETWEEN CONCRETE FACE & EARTHING BAR

EARTHING BAR
(T20)

GI STEEL PLATE

GI STEEL PLATE

EARTHING BAR
(T20)

GI STEEL PLATE

13.5 MM DIA HOLE (TO SUIT TEMP BAR)
DIA STAINLESS STEEL BOLT M12

MATERIAL: HOT DIP GALVANISED STEEL FACTORY MANUFACTURED WEIGHT: 0.76 KG (APPROX.)

CONCRETE FACE & EARTHING REBAR
BOLT FIXING THE EARTH PLATE TO THE FROM WORK SHALL BE HELD IN POSITION BY A TEMPORARYAT THE TIME OF CASTING THE EARTH PLATE 16 MM, 75 MM LONG BOLT 70 MM THREADED.

TYPICAL EARTH PLATE DETAIL FOR CONNECTION E1 & E3
SCALE: 1/10

- EARTH PLATE WELDED TO EARTHING BAR
- EARTHING BAR (T20)
- GI STEEL PLATE
- EARTHING BAR (T20)
- GI STEEL PLATE

LENGTH L:

EARTHING BAR
(T20)

GI STEEL PLATE

GI STEEL PLATE

BRAZING

6 MM THICK COPPER PLATE

6 MM THICK COPPER PLATE

TYPICAL CROSS SECTION AT PIERS
NO CONNECTION TO BEC

BRAZING

16 MM DIA BOLT

BOLT FIXING THE EARTH PLATE TO THE FROM WORK SHALL BE HELD IN POSITION BY A TEMPORARYAT THE TIME OF CASTING THE EARTH PLATE 16 MM, 75 MM LONG BOLT 70 MM THREADED.
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.

TENTATIVE TENDER DRAWINGS

QUALITY ASSURANCE

TYPICAL EARTHING ARRANGEMENT

1. MAIN LUMBERING EARTHING BAND SHALL BE CONNECTED TO EARTHING BAND OF EARTH PLATE X.
2. CEMENT AND RMC MIXTURE TO BE PROVIDED BY THE BUILDER.
3. EARTH PLATE X CONNECTING GI STEEL PLATE TO GI PLATE AT COLUMNS IN PIER CAP.
4. EARTH PLATE X TRANSFERS EARTHING BAND TO EAGS (BURIED EARTHING CABLE).

DETAIL E1: CONNECTING U-BEAM LONGITUDINAL EARTHING TO GI STEEL PLATE.
DETAIL E2: CONNECTING GI STEEL PLATE TO EARTHING REBAR IN PIER CAP.
DETAIL E3: TRANSVERSE EARTHING BAR TO BEC (BURIED EARTHING CABLE).

NOTES:
- This information is from Tentative Tender Drawings.
- For detailed specifications, please refer to the project documentation.

TENTATIVE TENDER DRAWINGS

CONTRACT NO. NGMN-01
ENGAGEMENT OF DETAILED DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL AND E&M WORKS OF NOIDA-GREATERNOIDA METRO CORRIDOR FROM SECTOR-51 NOIDA TO GREATER NOIDA SECTOR-2, CONSISTING OF 9.605 KM VIADUCT INCLUDING 5 ELEVATED STATIONS.

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The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.

NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETER.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANTS.

IMP NOTES:-
NO OHE MAST SHALL BE FIXED WITHIN 2.0M ON EITHER SIDE OF PIER AXIS.
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of contract provisions in respect of design analysis and drawings rests with the design consultants.

ELEVATION-2-2
SCALE:1/10

SECTION 3-3
SCALE:1/10

TENTATIVE TENDER DRAWINGS
CABLE TRAY DETAIL

QUALITY ASSURANCE

REV 1: 26-09-20
REV 2: 26-09-20

Bienz,一顿饭吃山珍海味，一顿饭吃白菜豆腐，或是吃一顿饭，便可知其人之志向。人之志向，是可贵的，一个有志向的人，无论是贫穷或是富贵，都能够坚持自己的理想，这便是人的品质。人之志向，是可贵的，一个有志向的人，无论是贫穷或是富贵，都能够坚持自己的理想，这便是人的品质。
SUGGESTED CONSTRUCTION SEQUENCE
OF CRASH BARRIER

STAGE-1

STAGE-2

STAGE-3

REINFORCEMENT DETAILS:

<table>
<thead>
<tr>
<th>BAR NO.</th>
<th>DIA</th>
<th>Spacing/No.</th>
<th>SHAPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12</td>
<td>150 M/C</td>
<td>J/L</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
<td>100 M/C (270°)</td>
<td>J/L</td>
</tr>
<tr>
<td>3</td>
<td>10</td>
<td>200 M/C</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>10</td>
<td>300 M/C</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>10</td>
<td>200 M/C</td>
<td></td>
</tr>
</tbody>
</table>

NOTES:
1. ALL BENDING ARE IN JUL.
2. DO NOT PULL THE RODS/RODS OF THE CRASH BARRIER.
3. ALL RODS ARE TO BE CONNECTED TO BAR WITH TIE BAR.
4. SIZE OF CRUSHING FOR CRASH BARRIER : 6 M.
5. MASONRY WORKS TO ANY CREASING SHAL BE 4 M.
6. LIP LENGTH SHALL BE THE TONGUE OF BAR.
NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS, AND LEVELS IN METERS UNLESS OTHERWISE SPECIFIED

2. DIMENSIONS SHALL NOT TO BE SCALDED, FROM DRAWING ANY DOUBTS REFER TO THE ENGINE-IN-CHARGE

ELEVATION ONE UNIT OF TEMPORARY BARRICADING
(Scale: 1:10)

DETAIL OF TEMPORARY BARRICADING
(Scale: 1:10)
ELEVATION ONE UNIT OF TEMPORARY BARRICADING
(Scale: 1:10)

DETAILED TEMPORARY BARRICADING
(Scale: 1:10)

NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETERS, AND LEVELS IN METERS UNLESS OTHERWISE SPECIFIED
2. DIMENSIONS SHALL NOT BE SCALATED FROM DRAWING ANY DOUBTS REFER TO THE ENGINE-IN-CHARGE
NOIDA METRO RAIL CORPORATION LTD.

TENDER DRAWING
ARCHITECTURAL DRAWINGS OF
NOIDA-GREATER NOIDA METRO CORRIDOR
(NOIDA SEC.51- GREATER NOIDA SEC-2)
# LIST OF TENDER DRAWING (ARCHITECTURAL)

**PROJECT: NOIDA GREATER NOIDA CORRIDOR**

**TYPICAL STATION**

<table>
<thead>
<tr>
<th>S.NO.</th>
<th>DRAWING TITLE</th>
<th>DRAWING NO.</th>
<th>REVISION</th>
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<tr>
<td>1</td>
<td>GROUND/STREET LEVEL PLAN</td>
<td>NGNDD-01-LKT-NMRC-ST-XX-TD-GR-AR-1001</td>
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<td>2</td>
<td>CONCOURSE LEVEL PLAN</td>
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<td>5</td>
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<td>R01</td>
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<td>7</td>
<td>LONGITUDINAL SECTION-B-B</td>
<td>NGNDD-01-LKT-NMRC-ST-XX-TD-SEC-AR-1007</td>
<td>R01</td>
</tr>
</tbody>
</table>
LONGITUDINAL SECTION-B-B
TYPICAL STATION

TENDER DRAWING

CONTRACT No. NGNDD-01
ENGAGEMENT OF DETAILED DESIGN CONSULTANT (DDC)
FOR CIVIL, ARCHITECTURAL AND E&M WORKS OF NOIDA-GREATER NOIDA METRO CORRIDOR FROM SECTOR-51 NOIDA TO GREATER NOIDA SECTOR-2, CONSISTING OF 9.605 KM VIADUCT INCLUDING 5 ELEVATED STATIONS

NGNDD-01-LKT-NMRC-ST-XX-TD-SEC-AR-1007

NOIDA METRO RAIL CORPORATION LTD.

CONSULTANT:
LKT ENGINEERING CONSULTANTS LTD.

CLIENT:
NOIDA METRO RAIL CORPORATION LTD.

CONSORTIUM OF LKT ENGINEERING CONSULTANTS LTD.
AND VASHIST INFRA ENGINEERING PVT. LTD.

LONGITUDINAL SECTION-B-B
TYPICAL STATION

SECTION-B-B

FUTURE PROPOSAL

16500 17500 17500 17500 17500 17500 17500 16500

14000

A B C D E F G H I

PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT

PARAPET WALL
PARAPET WALL
PARAPET WALL
PARAPET WALL
PARAPET WALL
PARAPET WALL
PARAPET WALL
PARAPET WALL
PARAPET WALL

R.H.S LINE PLATFORM LEVEL
R.H.S LINE PLATFORM LEVEL
R.H.S LINE PLATFORM LEVEL
R.H.S LINE PLATFORM LEVEL
R.H.S LINE PLATFORM LEVEL
R.H.S LINE PLATFORM LEVEL
R.H.S LINE PLATFORM LEVEL
R.H.S LINE PLATFORM LEVEL
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PROPERTY DEVELOPMENT
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PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT
PROPERTY DEVELOPMENT

KEY PLAN:

E N NW SW NE SE S W

SEC.122
CH:1421.510m.
SEC.123
CH:2539.950m.
GR. NOIDA SEC.4
CH:5566.950m.
ECOTECH-12
CH:7916.20m.
GR.NOIDA
CH:9366.20m.

TO NOIDA CITY CENTRE
TO GREATER NOIDA
FUTURE PROPOSAL

THE HIGHLIGHTED PORTION IS IN LUMPSUM CONTRACT

ALL PILES IN LUMPSUM CONTRACT

PROJECT MGR
DESIGNED BY
CIVIL MEPS & T MGR (Arch)
DGM (Design)
GM (D&P)
MGR (TRACK)
SDGM (CIVIL)
GM (Projects)
DGM (E&M)
DGM (RS)
SDGM (P&T)
DGM (TEL)
SDGM (S&T)
DGM (S&T)
GM (S&T)

FLAT NO. 75/288 SFS G-8-A
RAJOURI APPARTMENT, RAJOURI GARDEN
NEW DELHI-110064 Phone:+ 011-4 5 5 6 5 8 1 4 - 1 8
info@lkontechnical.com

CHECKED BY
DRAWN BY
GM (RS&E)

Block-III, 3rd Floor,
Ganga Shopping Complex,
Sector-29, Noida-201301

QUALITY ASSURANCE

CONTRACT No.NGDD-01
ENGAGEMENT OF DETAILED DESIGN CONSULTANT (DDC)
FOR CIVIL, ARCHITECTURAL AND E&M WORKS OF NOIDA-
GREATER NOIDA METRO CORRIDOR FROM SECTOR-51
NOIDA TO GREATER NOIDA SECTOR-2, CONSISTING OF
9.605 KM VIADUCT INCLUDING 5 ELEVATED STATIONS

REV.

TENDER DRAWING

NODA METRO RAIL CORPORATION LTD.

PART SECTION

11-09-2020