Vigilance week was observed at BMRCL Stations and at our Site office. BEML officers also participated.
Progress of works at Reach-2A, Reach-3C & 4B of Phase-2

Anjanapura Road Cross Station: Roof Truss Erection is in progress

Launching works is in progress at Reach-2A

Launching & Viaduct work is in progress at Reach-3B
**PHASE-2**

**REACH-1 Extension—(Baiyappanahalli to Whitefield-15.50 KM)**

- Compensation package in respect of 426 properties amounting to ₹1425.26 Crores have been sent to SLAO, KIADB. SLAO has made payment in respect of 397 properties amounting to ₹1107.81 Crores.
- 28(1) notification in respect of 17 additional properties measuring 4588.51 sq. mtrs. is published in the Gazette on 09.08.2018. Enquiry u/s 28(3) is completed and Notification u/s 28(4) is sent to Govt for approval.

**REACH-2 Extension—(Mysuru Road Station to Kengeri-6.465 KM)**

- Compensation packages for 120 properties amounting ₹503.23 Crores have been sent to SLAO, KIADB and payment is made in respect of 116 properties amounting to ₹408.15 Crores.
- Transfer of 18.08 ½ A/G of land from BDA required for Challaghatta Depot is under negotiations.

**REACH-3C—(Nagasandra to Bangalore International Exhibition Centre-3.77 KM)**

- Compensation packages in respect of 72 properties amounting to 115.99 crores have been sent to SLAO, KIADB. Payment has been made in respect of 48 properties and award amount has been deposited in the civil court in respect of 11 disputed cases amounting to ₹100.38 Crores and these properties have been handed over to Engineering Section.
- Compensation packages are sent to SLAO, KIADB in respect 2354.00 sq. mtrs in 6 properties acquired for BIEC Station and Electrical Utility Shifting.
- Prop. ID No. 34 to 49:- (16 properties). Since there is a dispute regarding NHAI boundary line. W.P. No. 34394/2017, 36947, 36952 / 2017 have been filed by some of the land owners seeking, direction from the Hon’ble High Court to conduct fresh JMC. Accordingly fresh JMC has been conducted and Draft 28(4) notifications is sent to Government for approval on 01.08.2018.
- Additional 4 properties measuring of 422.58 Sq. mtrs. required for of Manjunathnagar Metro Station, Draft 28(4) Notification is sent to SLAO, KIADB on 29.10.2018.

**REACH-4B—(Yelachenahalli Cross to Anjanapura Township-6.29 KM)**

- Compensation packages for 306 properties amounting ₹330.99 Crores have been sent to SLAO, KIADB and payment has been made in respect of 297 properties amounting to ₹322.44 Crores.

**REACH-5 New Line—(R.V. Road to Bommasandra-18.820 KM)**

- Out of total 842 properties acquired, compensation packages for 728 properties amounting ₹1776.40 Crores have been sent to SLAO, KIADB and payment has been made in respect of 607 properties amounting to ₹1346.77 Crores.
**NEWS LETTER**

**DETAILS OF LAND AND PROPERTY ACQUISITION OF GOVERNMENT & PRIVATE PROPERTIES**

**REACH-5 New Line-(R.V. Road to Bommasandra-18.820 KM)**

- Compensation packages of 8 properties is sent to A/c Section for verification.
- Compensation packages are being prepared in respect of 94 properties required for Loops, Ramps, Sub-Way and Silk Bard Station.
- U/s 28(4) notification for 3 properties required for shifting of Electrical Utilities has been sent to Government Press for publication.
- Draft notification u/s 28(4) for 962.69 sq. mtrs and draft notification u/s 28(1) for 187.51 sq. mtrs required for Viaduct from Rupena Agrahara to Hongasandra has been sent to Government for approval.
- Draft notification u/s 28(4) for 37354.11 sq. mtrs of additional land required for Hebbagodi Depot has been sent to Government for approval.
- Draft notification u/s 28(1) for 1011.28 sq. mtrs. required for Electronic City–1 Station and Viaduct near Central Silk Board has been sent to Government for approval.
- Enquiry u/s 28(3) for 6404.73 sq. mtrs. required for Viaduct has been postponed to 14.11.2018.

**REACH-6 New Line-(Gottigere (IIMB) to Nagawara-21.25 KM)**

- Out of 311 properties, compensation packages in respect of 240 properties amounting to ₹ 549.57 Crores have been sent to SLAO, KIADB for payment. Payment has been made in respect of 204 properties amounting to ₹ 478 Crores.
- **Kothnur Depot** – 28(4) notification is published in Gazette on 22.02.2018 in respect of 58 properties to an extent of 91,809 Sq. mtrs. Compensation packages have been sent to SLAO, KIADB.
- **Kothnur Depot** – Notification u/s 28(4) in respect of additional 8 properties measuring to 30,589.18 sq. mtrs. is sent to Government for approval on 19.07.2018.
- 28(4) notification is sent to Government on 28.02.2018 in respect of additional lands required for viaduct to an extent of 1570.00 sq. mtrs published in gazette on 29.08.2018 and valuation from the Land Committee is received. Packages are being prepared.
- 28(1) notification in respect of additional lands required for Ramp, etc., 43 properties to an extent of 4797.19 sq. mtrs. is published in the Gazette on 18.01.2018 and JMC is under progress.
- Notification u/s 28(4) in respect of 80 properties measuring 16672.954 sq. mtrs pertaining to (1) Dairy Circle (2) MICO (3) Langford (4) Vellara (5) M.G. Road (6) Shivajinagar Stations is published in the Gazette and valuation from the Land Committee is received. Packages are being prepared.
- Notification u/s 28(4) in respect of 43 properties measuring 1399.465 sq. mtrs pertaining to additional lands for Underground Metro Stations from Dairy Circle to Shivajinagar is published in the Gazette on 29.08.2018 and valuation from the Land Committee is received. Packages are being prepared.
- Notification u/s 28(1) in respect of 244 properties measuring 46,806.22 sq. mtrs pertaining to Underground stations. 1) Bamboo Bazar, 2) Pottery Town, 3) Tannery Road, 4) Venkateshpura, 5) Arabic College, 6) Nagawara is published in Gazette on 29.08.2018. U/s 28(3) orders from SLAO, KIADB is awaited.
PHASE-II A (K.R. Puram to Silk Board - 17.00 KM)

- Notification u/s 28(1) for 36784.29 sq. mtrs. required for Outer Ring Road Line from K.R. Puram to Central Silk Board is published in Karnataka Gazette on 13.09.2018. 28(2) 2nd enquiry is also completed on 02.11.2018.

REACHWISE PROGRESS OF PHASE-2


Name of the Contractor :- M/s ITD Cementation India Limited (JV) Two Packages (Package 1 & Package 2)

Progress of Package – 1A (Reach-1A):-

Land Acquisition:-

- **Baiyappanahalli to Mahadevapura:** Abutment to Jyothipura alignment is finalized. Building Condition Study (BCS) is under progress. Valuation of properties is completed.
- **Jyothipura to K R Puram:** Demolition of properties is in progress.
- **Mahadevapura to Vivesvaraya Industrial Area:** Valuation and final notification of properties are completed. Building Demolition are in progress. 5 Nos of properties is yet to be received from Land Section.
- **BESCOM Utilities:** 80 numbers have been identified for shifting of BESCOM utilities such as RMU’s and Transformers. Compensation (payment to owner) is under progress.

Demolition of Buildings / Structures Identified for Acquisition:- The contract for demolition of structures have already been awarded to M/S B.R. Chawla for the entire stretch of 15.500 KM. Demolition work is under progress. 230 numbers of properties are demolished out of 262 Nos and 26 Nos are in progress as far as Package 1A, balance 6 Nos is yet to start.

Shifting of Water Supply Lines & Underground Drainage (UGD) Lines:- The proposal for affected water lines has been identified along with BWSSB. 300 mm Dia BWSSB water line shifting is completed near K.R. Puram Foot Over Bridge.

220KV line from SAPLAB (Kundalahalli Station) to Satya Sai Station for about 3.00 km overhead line to be made underground:- An amount of Rs. 64 Crores has been deposited to KPTCL for taking up the work.

1) For 11 KV Line:

Package-1 Baiyappanahalli to Lowery School - Tender has been opened & Package-2 Lowry School to EPIP. Utility Shifting work commenced based on the LOA dated 19.07.2017 and for Lamp Pole and Light Poles, from Baiyappanahalli to Hoodi.
Cable laid from BP 90 to BP 160 Right Hand side. BP 170 to BP 180 Right Hand side cable is laid. BP 181 to BP 210 Right Hand Side cable is laid. BP 220 to BP270 Right Hand side cable is laid. Cable charged from BP 100 to BP 130, BP 139 to BP 141 work is in progress. BP 230 to BP 236 (including Doddane Kundi Station) cable charged. BP 183 to BP 214 Left Hand Side cable is laid. BP 100 to BP 150 Left Hand Side Cable is laid. BP 150 to BP 160 work is in progress. BP 160 to BP 250 Left Hand Side cable is laid. BP 250 to BP 260 work is in progress.

LT crossing at skylark cable laid. LC awaited from BESCOM for above works and releasing OH Lines. BP 93 to BP 137 RHS & BP 183 to BP 199 cable laid & awaiting for Line clear. BP 162 to 172 Left Hand Side charged. BP 181 to 200 Left Hand Side charged.

Viaduct & Stations: along with Road Widening works:-

Reach-1A:
- M/s. ITD Cementation India Limited-ITD (JV) vide LOA No BMRCL/Phase2/Reach1A/BYP-VIA/Via & Stn /2016/14/LOA/ dated 11.04.2017. R1A Contract agreement was signed on 23.05.2017.
- 772 piles in viaduct and 375 Piles in Station, total 1147 Piles completed. 157 Pile cap in Viaduct and 56 Pile cap in Stations are completed. 128 nos. of Pier is completed in Viaduct and 62 nos of Pier up to concourse level at station are completed. 15 nos upto Platform level is completed. 16 Nos Concourse Level Pier Arm, 7 nos Track Level Pier Arm are completed in K.R Puram and Doddanakundi Stations. 33 Span Segment erections completed. Road widening work is in progress. Station I-Girder Erection is in progress.
Progress of Package-1B (Reach-1B):-

**Building Condition Study and Structural Analysis:** The work has been awarded to M/s. Civil Aid Techno Clinic Pvt Limited, Bangalore.

- The BCS work for the stretch BP-271 to BP-503 is completed.
- Alignment finalization from BP-271 to BP-503 is completed by BMRCL design section. Preparation of online notification for land acquisition is completed by Land section.

**Valuation of Building Structures:**

- The valuation of buildings to be demolished along the alignment between BP-271 to BP-503 is in progress.

Taking position of forest land is in discussion with higher officers of forest department. On the Left Hand Side of the alignment from BP-394 to Whitefield Stations (BP-503).

**Demolition of Buildings / Structures identified for acquisition:** The work of demolition of buildings has been awarded to M/s. B.R. Chawla for the entire stretch.

- The demolition work is in progress in the stretch between BP-271 to BP-503.
- Till now, out of 100 properties 84 properties have been demolished.

**Shifting of Water Supply Lines and Underground Drainage (UGD) lines:**

- The affected water supply lines and Underground Drainage Lines are identified along with concerned BWSSB Engineers for the entire stretch.
- Tenders for shifting of Water Supply pipe lines and Underground Drainage Lines for the stretch between B. Narayanapura to Kadugodi have been called by BWSSB. The work has been awarded and LOA is issued to the agencies. The work for shifting of water supply and Underground Drainage Lines works between B. Narayanapura to Kadugodi is in progress at various location along the alignment.
Electric Utility Shifting :

- For 220 KV and 66 KV line LOA has been issued to M/S. UNIVERSAL CABLES LTD by KPTCL on 27.12.2016. Work has started on 2nd May 2017. Overhead HT lines has been converted into Underground. Removal of HT lines and Tower dismantling is completed. At Satya Sai Station 66 Kv Underground cables diversion is completed.
- Removal and relocation of 11kv Electrical lines, RMU’s and LT lines along the alignment is in progress.

Viaduct and stations (including Road widening works): 

- The Detailed Design and Drawings of Viaduct and Stations is completed.
- Road widening work along the alignment is in progress in consultation with Traffic Police and BBMP.
- Tree cutting permission is sought from forest department for 35 Nos at Kadugodi Station, permission is awaited.

Progress of Package-1B (Reach-1B):-

The work has been awarded to M/s. ITD Cementation India limited –ITD (JV) Vide LOA No. BMRCL /Phase2/ Reach1B/VIA-WTF/Via&Stn/2016/15/LOA/3978 dated 28.04.2017.R1B Contract agreement was signed on 09.06.2017.

- Total 7241 Rm of road widened (Upto DBM) at various locations of viaduct (LHS + RHS).
- Total 1875 Rm of road widened (Upto DBM) at station locations.
- 1023 no’s of working pile have been completed in Viaduct portion.
- 392 no’s of working pile have been completed in Stations.
- 185 no’s of pile cap have been completed in Viaduct portion.
- 59 no’s of pile cap have been completed in Station locations.
- 137 no’s of pier have been completed in Viaduct portion.
- 59 no’s columns/pier up to concourse level have been completed in station locations.
- 130 no's of pier caps have been completed in Viaduct portion.
- 85 no’s of Pedestal have been completed in Viaduct portion.
- 102 no’s of crash barrier have been completed in Viaduct portion.
- 59 no’s of crash barrier have been completed in Station locations.
- 630 no’s of Segments are casted at Casting yard 1.
- 210 no’s of post tension I-girder and RCC beam are casted at Casting yard 2.
- 162 no’s of pre tension I-girder are casted at Casting yard 2.
- 141 no’s of Pre cast Pier Arm are casted at Casting yard 2.

Parapet Gantry-1 (BP406) erection completed. Preparation for commissioning is in progress.
Progress of works at Reach-1B

Kundanahalli Station: I Girder Erection at C7-C8 Concourse level in progress

Kadugodi Station: Pier Arm Erection works is in progress

Piling works is in progress at Whitefield Station
REACH-2Extension-Reach-2A: Construction of Elevated Structures of Length 3.945 kms (approx) from Mysuru Road Station dead end to Pattanagere Station including 4 Nos. of Elevated Metro Stations viz Nayandahalli Station, Rajarajeshwarinagar Station, Jnanabharathi Station and Pattanagere Station in the extension on west side of East-West Corridor of Bangalore Metro Rail Project, Phase-2.

Name of the Contractor : M/s IL&FS Engineering Construction Company Limited

Total Cost of the Project : Rs. 327.00 Crores

Land Acquisition : The land acquisition for Reach 2A for the viaduct from Nayandahalli station to Pattanagere Station including 4 stations are completed. A piece of land measuring 134 sqm in P/no 46A is only pending. There is no problem for construction activities but required for Road Widening before final handing over.

Shifting of Water Supply Lines and Underground Drainage (UGD) lines: All identified works were taken up by BWSSB and completed at Jnanabharathi, Rajarajeshwari and Nayandahalli Stations.

Road Widening Works: Road Widening works of viaduct from Nayandahalli to Rajarajeshwarinagar both sides have been completed. In the Jnanabharathi and Pattanagere stations service road works were completed. About 1.50 km Road Restored on the LHS and RHS side, wherever viaduct installation done. Balance works in progress.

Filling of Pot holes/Patches/Rain cuts, etc formed/developed during the prevailing monsoon rain, have been attended in full scale during this month.

Progress achieved for Viaduct, Four Stations & Off Road Structures are as follows:

### Viaduct

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope</th>
<th>Achieved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilling</td>
<td>596</td>
<td>596</td>
</tr>
<tr>
<td>Pile Cap</td>
<td>142</td>
<td>142</td>
</tr>
<tr>
<td>Pier</td>
<td>142</td>
<td>142</td>
</tr>
<tr>
<td>Pier cap/Arms</td>
<td>127</td>
<td>127</td>
</tr>
<tr>
<td>Portal Beams</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Crash Barriers</td>
<td>142</td>
<td>142</td>
</tr>
<tr>
<td>Median (Spans)</td>
<td>126</td>
<td>100</td>
</tr>
<tr>
<td>Segment Casting</td>
<td>1171</td>
<td>1171</td>
</tr>
<tr>
<td>Segment Erection (Spans)</td>
<td>131</td>
<td>127</td>
</tr>
<tr>
<td>Parapet Casting</td>
<td>2422</td>
<td>1863</td>
</tr>
<tr>
<td>Parapet Erection (Spans)</td>
<td>139</td>
<td>58</td>
</tr>
<tr>
<td>Transition slabs</td>
<td>8</td>
<td>5</td>
</tr>
</tbody>
</table>

### Off Road Structures

<table>
<thead>
<tr>
<th>Location</th>
<th>Small Pile cap 155 Nos</th>
<th>Plinth Beam 2066 Rm</th>
<th>Colum at Deck Level 287 No's</th>
<th>Slab at Deck Level 24 Spans</th>
<th>Escalator Pit, Cum 223 Cum</th>
<th>Slabs at Concourse Level 24 Spans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nayandahalli</td>
<td>34</td>
<td>371</td>
<td>24</td>
<td>3</td>
<td>13</td>
<td>2</td>
</tr>
<tr>
<td>Rajarajeshwari</td>
<td>34</td>
<td>260</td>
<td>20</td>
<td>2</td>
<td>13</td>
<td>0</td>
</tr>
<tr>
<td>Jnanabharathi</td>
<td>37</td>
<td>414</td>
<td>38</td>
<td>3</td>
<td>28</td>
<td>2</td>
</tr>
<tr>
<td>Pattanagere</td>
<td>27</td>
<td>211</td>
<td>27</td>
<td>1</td>
<td>14</td>
<td>0</td>
</tr>
</tbody>
</table>
Progress achieved for Viaduct, Four Stations & Off Road Structures are as follows:

**Main Stations**

<table>
<thead>
<tr>
<th>Location</th>
<th>Column at Concourse Level &amp; Platform Level 135 No's</th>
<th>Portal Beams 44 No's</th>
<th>Slab at Concourse Level 32 No's</th>
<th>Slab at Track Level 32 No's</th>
<th>Slab at Platform Level 64 No's</th>
<th>I-Girder Erection 669 No's</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nayandahalli</td>
<td>33</td>
<td>11</td>
<td>8</td>
<td>8</td>
<td>16</td>
<td>160</td>
</tr>
<tr>
<td>Rajarajeshwari</td>
<td>33</td>
<td>11</td>
<td>8</td>
<td>8</td>
<td>16</td>
<td>160</td>
</tr>
<tr>
<td>Jnanabharathi</td>
<td>33</td>
<td>11</td>
<td>8</td>
<td>8</td>
<td>16</td>
<td>125</td>
</tr>
<tr>
<td>Pattanagere</td>
<td>36</td>
<td>12</td>
<td>7</td>
<td>5</td>
<td>6</td>
<td>160</td>
</tr>
</tbody>
</table>

**REACH-2 Extension - Reach-2B:** Construction of Elevated Structures (Viaduct) of length of 4.869 Kms. (approx.) from Pattanagere Station (excluding) to beginning of Challagatta Depot including 2 Nos of Elevated Metro Stations viz. Mailasandra Station and Kengeri Station in the extension on west side of E-W Corridor on Bangalore Metro Rail Project, Phase – 2

**Name of the Contractor:** M/s Soma Enterprise Limited,

**Total Cost of the Project:** Rs. 332.00 Crores

**Land Acquisition:** The land acquisition for Reach-2B from Pattanagere Station to Kengeri Arch Bridge is almost complete and the land is in position with BMRCL. From Kengeri Arch Bridge to Challaghatta Depot, the final notification for acquisition has been issued. Valuation of properties is completed.

**Shifting of Water Supply Lines & Underground Drainage Lines:** Work is completed up to NICE Road and from NICE Road the work will commence after acquisition of properties if any water supply and Underground Drainage Lines are infringing with the alignment.

**Demolition of Buildings / Structures Identified for Acquisition:** The work has been awarded to M/s Binyas Contech Pvt Ltd and M/s Sai Retro Fabs. The work has been completed from Pattanagere Station to Kengeri Arch Bridge and from Kengeri Arch Bridge the work will commence after acquisition of properties.

**Road Widening Works:** From Pattanagere Station to NICE Road the Road Widening work has been started by National Highway PWD Karnataka. 97% of the work is completed.

**Viaduct & Stations:** The construction of 4.869 KMs Viaduct and Stations has been awarded to M/s SOMA Enterprises Limited. 48% of Physical progress has been achieved.

**Test Pile:** Two numbers of Initial Vertical Pile Load test is completed at the Viaduct. Barricading work is in progress. **Working Pile, Pile Cap, Pier, Pier Cap, Portal Pier:** All the works are in progress.

**Mailasandra & Kengeri Station:** All works are in progress.

**Casting Yard at Kanminike near Bidadi:** Segments, I-Girders and Parapet casting works are in progress.
REACH WISE PROGRESS OF WORKS OF PHASE-II

REACH-3Extension-Reach-3C:- Extension line of Reach-3b of Phase-1 on Northern Corridor from Hessaraghatta Cross to Bangalore International Exhibition Centre (BIEC) viz Manjunathnagar Stn., Jindal Stn., & BIEC Stn. The section length is 3.03 Kms with 3 Stations and fully Elevated Section.

Name of the Contractor :- M/s Simplex Infrastructures Limited.

Total Cost of the Project :- Rs. 298.65 Crores, Letter of Acceptance is issued on 27.02.2017.

Land Acquisition:- Payment of compensation towards acquired land and taking over of land by KIADB is under progress. Handing over of land to the Engineering section part by part is under progress. Out of 62 private properties, 46 Nos. of properties are handed over to Engineering section for execution of work. 44 properties are clear from any issues.

Demolition of Buildings / Structures Identified for Acquisition:- The work of demolition of buildings has been awarded to M/s. SAI Retro Fabs for the entire stretch. Out of 54 properties to be demolished 31 properties have been demolished.

Viaduct & Stations (including Road Widening works):- Issue of GFC drawings is in progress from the Design wing of BMRCL. The permission for use of NHAI service road/ROW for construction of viaduct and stations of Bangalore Metro Rail is obtained from NHAI and Memorandum of Understanding has been signed on 09.04.2018.

Notice to proceed to start the work has been issued on 27.04.2017 with M/s. Simplex Infrastructures Limited. Development of casting yard is under progress.

Project office of M/s Simplex is ready at casting yard. Quality lab set up and calibration of lab equipment's completed. 2 Batching Plants (capacity 45cum/Hr & 30cum/Hr and Two sets of 15MT gantry and 80MT gantry are commissioned at Casting Yard. Three casting beds (28m long) for segment casting commissioned. Three complete set of intermediate segment shutters & pier head segment shutters for 28m span are available at casting yard. 1 mock up segment and 248 precast segments are casted till date. 3 No's of I Girder (Post tensioned) completed till date and Pretensioned I Girder bed arrangements are under progress. 1 mock up parapet and 16 Parapets casted till date. Construction of drain at station & viaduct portion is in progress. Construction of Drain of length 1280m is completed. 5 no. of Test piles and 4 No’s of Initial vertical pile load tests (IVLT) & 1 no of Initial lateral pile load test (IHLT) is completed till date. 2 Routine Pile load tests at station, 2 at Viaduct, 1 Dynamic Pile Load test at Station and 1 at Viaduct are completed till date. 202 working piles (1200mm) of viaduct are casted as on October’18. 50 main piles of 1200mm, 11 Off Road Piles of 1200mm and 93 Off Road piles of 600mm have been completed in Manjunathnagar Station as on October’18. 56 Main Piles of 1200mm, 17 Nos of Off Road Piles of 1200mm and 46 off road piles of 600mm have been completed in Jindal Station as on October’18. 36 Pile Caps of Viaduct are casted as on October’18. 7 Main Pile caps and 6 off-road Pile Caps of Manjunathnagar Station and 7 main Pile Caps at Jindal Station are completed as on October’18.

16 Pier & Pier Caps of Viaduct are completed as on October’18. 7 Piers up to Concourse level (CCL) at Manjunathnagar Station and 4 no’s at Jindal Station are completed as on October’18.

1 Pier Arm at Concourse level (CCL) for Jindal Station is completed as on October’18.

17 nos. of Borehole for soil investigation is complete as on date.
REACH WISE PROGRESS OF WORKS OF PHASE-2

REACH-4Extension-Reach-4B:- Construction of Elevated Structures of length 6.524 km (approx) from Puttenahalli Cross Station to Anjanapura Township Station and further viaduct including 5 Nos. of Elevated Metro Stations Viz. Anjanapura Road Cross Station, Krishna Leela Park Station, Vajrahalli Station, Thalaghattapura Station and Anjanapura Township Station.

Name of the Contractor :- M/s Nagarjuna Constructions Company Limited.

Total Cost of the Project :- Rs. 508.86 Crores.

Viaduct & Stations:
The work of Construction of this Project is awarded to M/s Nagarjuna Constructions Company Limited and the work is in progress.

- All major works like Piling, Pile caps, Piers and Pier caps, Road widening, Segment erection, Bearing Installation, Parapet erection etc. are in progress along Viaduct.
- All major works like Piling, Pile caps, Piers, Pier arms, I-Girder erection, Concource slabs, Track level slabs, Platform slabs, Bearing installation etc. are completed at 3 Stations viz. Anjanapura Road Cross Station, Krishna Leela Park Station and Vajrahalli Station. These works are in progress at Talaghattapura Station and Anjanapura Township Station.
- 964 nos of Piles out of 1032 piles are completed for Viaduct structures. 717 nos of Piles out of 754 Nos of Piles are completed for Station locations.
- 193 nos of Pile caps out of 223 nos are completed for Viaduct structures. 257 nos of Pile caps are completed out of 296 nos for open foundations are off-road structures at Station locations.
- 50 nos of Pile caps are completed out of 50 nos for C-Grid at Station locations.
- 189 nos of Piers are completed out of 223 nos for Viaduct structures & 49 Nos of Piers upto Concourse Level out of 50 nos are completed at Station locations.
- 49 nos. of Pier Arms for Concourse level out of 50 nos are completed at Station locations. 48 nos. of Piers above Concourse level out of 50 nos are completed at Station locations. 48 nos. of Pier Arms for Track level out of 50 nos are completed at Station locations. 40 nos of Concourse slabs are completed out of 45 nos at Station locations. 38 nos of Track level slabs are completed out of 45 nos at Station locations. 72 nos of Platform level slabs are completed out of 90 nos at Station locations.

<table>
<thead>
<tr>
<th>SNo</th>
<th>Launching Activities (Viaduct)</th>
<th>Launching Activities (Stations)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LG-01 53 Segmental Spans are erected from EP-128 to EP-182.</td>
<td>Anjanapura Road Cross Station I-Girder erection has been completed.</td>
</tr>
<tr>
<td>2</td>
<td>LG-02 42 Segmental Spans are erected from EP-183 to EP-225.</td>
<td>Vajrahalli Station: I-Girder erection has been completed.</td>
</tr>
<tr>
<td>3</td>
<td>LG-03 32 Segmental Spans are erected from EP-226 to EP-258.</td>
<td>Krishna Leela Park Station I-Girder erection has been completed.</td>
</tr>
<tr>
<td>4</td>
<td>LG-04 19 Segmental Span is erected from EP 277 to EP 293.</td>
<td>Talaghattapura Station: I-Girder Erection is completed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Anjanapura Township Station: I-Girder Erection 75 nos is completed out of 121 nos.</td>
</tr>
</tbody>
</table>
Casting Yard:- NCCL has set up their Casting Yard on 20 Acres of land near Agara Cross (near Tataguni Village), 4km away from EP346 (last pier of R4B Project)

The following activities are in progress at the Casting Yard:
- Reinforcement works for Piles, Pile caps, Piers, Pier caps, I-Girders, Segments and drains are in progress.
- Pre-Casting of Segments, I-Girders, Parapets and drains are in progress.

Casting of Segments of 1794 nos are completed out of 1998 numbers.
Casting of Pre-Tensioned I-Girders of 425 nos are completed out of 425 numbers.
Casting of Post-Tensioned I-Girders of 240 numbers out of 240 numbers are completed.
Casting of Parapets of 1878 numbers out of 4094 numbers are completed.

Parapet Erection:-

REACH-5 (New Line)  R V Road Station to Bommasandra Station viz. R V Road Stn., Ragigudda Stn., Jayadeva Hospital (Interchange) Stn., BTM Layout Stn., Central Silk Board Stn., HSR Layout Stn., Oxford College Stn., Muneshwaranagar Stn., Chikkabegur Stn., Basapura Road Stn., Hosa Road Stn., Electronic City-1 Stn., Electronic City-2 Stn., Huskur Road Stn., Hebbagodi Stn., Bommasandra Stn. The section length is 18.82 Kms with 16 Stations fully Elevated Section. R V Road Station is on existing North-South Corridor with passenger interchange.

Building Condition Study & Structural Analysis:-
- The work has been awarded to M/s. Civil Aid Techno Clinic Pvt Ltd., Bangalore.
- The BCS work for the stretch between R V Road to Bommasandra is completed.

Demolition of Buildings / Structures Identified for Acquisition:-
- The work of demolition of buildings has been awarded to M/s. B.R. Chawla for the entire stretch.
- The demolition work is in progress in the stretch between RV Road and Bommasandra.

Shifting of Water Supply Lines & Underground Drainage (UGD) Lines :-
- The affected water supply lines and Underground Drainage lines are identified along with concerned BWSSB Engineers for the entire stretch.
- The work for shifting of water supply and Underground Drainage works between RV Road and Bommasandra is in progress.

Viaduct & Stations (Including Road Widening works):-
The General Arrangement Drawing are being issued progressively as per the work requirement. The Road Widening plan has been prepared and submitted to Traffic Police and permission letter is obtained from Addnl. Commissioner of Police (Traffic). The proposed traffic diversion plan along Marenahalli Road/Outer Ring Road has been shown to the concerned
Traffic police. The approval for the same is received. Road Widening work is in progress between R V Road and Bommasandra.

The Tenders are awarded for Package –1, Package-2 & Package-3 of Reach 5 Line for Construction of Viaduct and Stations of packages between

- **Bommasandra to Hosa Road of 6.41 Kms length (Package-1)**: The work of construction of viaduct and stations between Bommasandra - Hosa Road of 6.41Km length is awarded. Foundation and substructure work has been commenced for viaduct sections, EC-1 station, EC-2 station, Hebbagodi, Bommasandra stations. The drain work, viaduct and station construction is in progress wherever available land stretches.

- **Hosa Road to HSR Layout of 6.4 Kms length (Package-2)**: The work of construction of viaduct and stations between Hosa Road - HSR Layout of 6.4Km length is awarded. Foundation and substructure work has been commenced for HSR Layout, Oxford college, Muneshwaranagar, Chikkabegur, Basapura, Hosa Road stations and Viaduct sections. Superstructure work in station and Viaduct is in progress. The drain work, viaduct and station construction is in progress in available land stretches. Segment casting works is in progress, Parapet segment casting and Girder casting for station has begun in Casting Yard.

- **HSR Layout to R V Road of 6.34 Kms length (Package-3)**: The work of construction of viaduct and stations between HSR layout to RV Road of 6.34Km length is awarded. The casting yard work is nearing completion at Hommadevanahalli on Banneraghatta Road. Road widening work in the stretch between RV Road to Jayadeva Hospital is completed and for balance stretch between Jayadeva and HSR Layout is in progress. Tree Transplantation work is in progress. Piling work in BTM, Ragigudda and RV road station is in progress. Segment casting for Road works has started in Casting Yard.
NEWS LETTER

REACH WISE PROGRESS OF WORKS OF PHASE-2

PACKAGE-3 (HSR LAYOUT STATION TO R V ROAD)
**RANGOLI METRO ART CENTER**

**News Letter**

---

**Friends of Elephants, in collaboration with WRRC and Namma Mithra, Provenca**

**Lodged Elephants**

**Elephant Care in Captivity**

**Sunday, 28th Oct 2018 | Rangasthala | Rangoli Metro Art Centre | MG Road**

**Programme 6:30 pm onwards**

---

**Short Stories on Elephants in Captivity**

**Talk/Preventions: Book and NO MARRIAGE by Priyanka Narang, Elephant care expert**

**Panel Discussion: Do we care in Captivity?**

**Rahul, speaker, and elephant experts**

**Entry is FREE, followed by a simple dinner**

**Ward design by Murali Raghavan**

**Special Short Event | Book Launch**

**Memories of Banagnatha National Park**

The talk aims to highlight the poor and forgotten lives of elephants in captivity, including stories found in the national park.

**Book unveiling by elephants and authors**

**Aneesha Arora, RED CUT, Surbhi Sethi**

**Mr. Pramod Gokhale, A Radio India**

**Mr. Arun Naik, Western Railways**

**Shriya Biswas, Rangasthala**

**Oct 25th | Sunday**

**4.30 - 5.30 pm**

---

**Rangoli-MAC, Boulevard, M G Road, Bengaluru 560 001 * 080-22969265**

E mail: rangoli@bmrc.co.in * Website: rangoli.bmrc.co.in

facebook.com/Rangolimetroatcenter * twitter.com/Rangoliartmetro
The entire Network Map of Namma Metro Phase-1, at total length of 42.30 Kms, Phase-2 at total length of 72.095 Kms (13.79 km Underground) and 61 Stations with 12 Underground Stations & Phase-2A at total length of 17.00 Kms. Each line can be traced along with the Station Names in the Map below.

Namma Metro stands for 'reduced journey times, cutting fuel costs, accident reduction and lower pollution'