Japanese Parliamentarians visited Namma Metro on 09.08.2018. The 5 Member Delegation of young Japanese Parliamentarians from Japan was led by MP Mr. Shinjiro Koizumi. They were briefed about the Ph-2 of the Project, funding requirements & BMRCL’s request for Japan’s assistance for the Ph-2. The Team were impressed with the Phase-2 of the Project and has agreed to Fund the Project.
PHASE-II

REACH-1 Extension—(Baiyappanahalli to Whitefield-15.50 KM)
- Compensation package in respect of 388 properties amounting to ₹ 1210.46 Crores have been sent to SLAO, KIADB. SLAO has made payment in respect of 370 properties amounting to ₹ 1086.27 Crores.
- 28(4) Notification for lands between Baiyappanahalli and Jyothipura has been published in the Gazette on 02.08.2018. Packages are being prepared.
- 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(2) is fixed on 17.09.2018.

REACH-2 Extension—(Mysuru Road Station to Kengeri-6.465 KM)
- Compensation packages for 119 properties amounting to ₹ 502.86 Crores have been sent to SLAO, KIADB and payment is made in respect of 112 properties amounting to ₹ 391.69 Crores.
- Compensation packages are being sent to SLAO, KIADB in respect of 4 properties acquired for Depot and Depot Entry line.

REACH-3C—(Nagasandra to Bangalore International Exhibition Centre-3.77 KM)
- Compensation packages in respect of 65 properties amounting to ₹ 100.35 Crores have been sent to SLAO, KIADB. Payment has been made in respect of 44 properties and award amount has been deposited in the civil court in respect of 11 disputed cases amounting to ₹ 98.41 Crores and these properties have been handed over to engineering section.
- Compensation packages are being prepared 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.

REACH-4B—(Yelachenahalli Cross to Anjanapura Township-6.29 KM)
- Compensation packages for 306 properties amounting to ₹ 330.99 Crores have been sent to SLAO, KIADB and payment has been made to 297 properties amounting to ₹ 353.33 Crores.
- Notification u/s 28(1) in respect of 28,,238.81 sq. mtrs of land required for Anjanapura Depot is sent to SLAO, KIADB on 31.08.2018.

REACH-5 New Line-(R.V. Road to Bommasandra-18.820 KM)
- Out of total 834 properties acquired, compensation packages for 702 properties amounting to ₹ 1651.41 Crores have been sent to SLAO, KIADB and payment has been made in respect of 591 properties amounting to ₹ 1299.54 Crores.
- 28(4) notification for 94 properties required for Silk Board Station, Subways, ramps, loops and viaduct in RV Road to Bommasandra stretch has been published in the Gazette. Valuation report of lands and structure is awaited.
**REACH-5 New Line-(R.V. Road to Bommasandra-18.820 KM)**

- U/s 28(4) Notification for 3 properties required for shifting of Electrical Utilities has been submitted to Government for approval.
- Final Notification for additional lands u/s 28(4) for 5 properties required for Ragigudda Station has been submitted to Government for approval.
- Notification u/s 28(1) for 37354.11 sq. mtrs of additional land required for Hebbagodi Depot has been published in the Gazette. Order u/s 28(3) are awaited from SLAO, KIADB for further action.

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

- Out of 281 properties, compensation packages in respect of 232 properties amounting to ₹ 541.29 Crores have been sent to SLAO, KIADB for payment. Payment has been made in respect of 190 properties amounting to ₹ 436.04 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 involving 59 properties is sent to the Press for publication on 29.08.2018.
- 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 30 properties measuring 606.50 sq. mtrs. to Viaduct Lands required for Electric Utility Shifting has been published in Gazette on 09.11.2017. Compensation packages are sent to SLAO, KIADB for payment.
- 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 sent to Government Press for publication on 29.08.2018.

**PHASE– II A (K.R. Puram to Silk Board-17.00 KM)**

- Draft Notification u/s 28(1) for 36784.29 sq. mtrs. required for Outer Ring Road Line from K.R. Puram to Silk Board has been sent to the Government for publication.

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 in progress.
- **Jyothipura to K R Puram:** Demolition of properties is in progress.
- **Mahadevapura to Satya Sai Hospital:** Building Demolitions are in progress.
- **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. 203 numbers of properties are demolished out of 247 Nos and 10 Nos are in progress as far as Package 1A, balance 36 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.

220 KV 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 93 to BP 157 Right Hand side cable is laid. BP 187 to BP 209 Right Hand side cable is laid. BP 227 to BP 237 Right Hand Side cable is laid. BP 117 to 126 Left Hand side cable is laid. Mahadevapura to BP 141 Left Hand Side cable is laid. Garudacharpalya Station P1 to BP 183 Left Hand Side cable is laid. Doddanakundi Station Area Right Hand side cable is laid.
- 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 LHS charged. BP 181 to 200 LHS charged. BP 93 to 115 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.
- 686 piles in viaduct and 375 Piles in Station, total 1061 Piles completed. 130 Pile cap in Viaduct and 50 pile cap in Stations are completed. 98 nos. of Pier is completed in Viaduct and 47 nos of Pier up to concourse level at station are completed. 9 nos upto Platform level, 2 nos Track Level at station are completed. 11 nos. Concourse level Pier arm 4 Nos track level pier arm are completed in K.R Puram and Doddanakundi Stations. 11 Span Segment erections completed. Road widening work is in progress. Station I-Girder Errection 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-470 is completed.
- Alignment finalization from BP-470 to Whitefield station 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-470 is in progress.
- Since land acquisition works from BP-471 to Whitefield is in progress property valuation for the stretch between BP-471 to Whitefield 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 Station.

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-470.
- 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 proposal is sent for approval.
- 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 are in progress. General Arrangement Drawing and land plans have been prepared and after BP-470 alignment is not finalized.
- Road widening work along the alignment is in progress in consultation with Traffic Police and BBMP.
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 7648 Rm of road widened (Upto DBM) at various locations of viaduct (LHS + RHS).
- Total 1620 Rm of road widened (Upto DBM) at station locations.
- 802 no's of working pile have been completed in Viaduct portion.
- 356 no’s of working pile have been completed in Stations.
- 137 no’s of pile cap have been completed in Viaduct portion.
- 56 no’s of pile cap have been completed in Station locations.
- 86 no’s of pier have been completed in Viaduct portion.
- 48 no’s columns/pier up to concourse level have been completed in station locations.
- 82 no’s of pier caps have been completed in Viaduct portion.
- 64 no’s of Pedestal have been completed in Viaduct portion.
- 64 no’s of crash barrier have been completed in Viaduct portion.
- 42 no’s of crash barrier have been completed in Station locations.
- 381 no’s of Segments are casted at Casting yard 1.
- 63 no’s of post tension l-girder and RCC beam are casted at Casting yard 2.
- 84 no’s of pre tension l-girder are casted at Casting yard 2.
- 54 no’s of Pre cast Pier Arm are casted at Casting yard 2.

Progress of works at Reach-1B

BP 276 & 277 Segment Erection is completed & preparation for Stressing is in progress

Pier Arm erection at Kundanahalli Station
C7 Concourse Level is in progress
REACH WISE PROGRESS OF PHASE-2

Progress of works at Reach-1B

- Ujwala Vidyalaya Station Plinth Beam E4 to E7 (RHS) reinforcement binding work is in progress
- Vydehi Station Pier upto Concourse Level work is in progress
- Kadugodi Station Pier Arm erection work is in progress
REACH-2 Extension - 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

Viaduct:
- The construction of 3.945 KM viaduct and four stations has been awarded to M/s IL&FS construction Pvt Ltd. and the work is in progress. Piling, Drilling, Construction of Pile Caps & Piers and Pier Caps/Arms works are completed except for 1 Pier Arm. Viaduct installations in 101 spans against 139 spans are completed. The viaduct work from P437- P438 between Ph 1 & 2 was installed successfully.

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope</th>
<th>Achieved</th>
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<tbody>
<tr>
<td>Pilling</td>
<td>596</td>
<td>596</td>
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<td>Pile Cap</td>
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<td>142</td>
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<tr>
<td>Pier</td>
<td>142</td>
<td>142</td>
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<tr>
<td>Pier cap/Arms</td>
<td>127</td>
<td>127</td>
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<td>Portal Beams</td>
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<td>8</td>
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<tr>
<td>Crash Barriers</td>
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<td>141</td>
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<td>Median</td>
<td>139</td>
<td>85</td>
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<tr>
<td>Segment Casting</td>
<td>1171</td>
<td>1155</td>
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<td>Segment Erection (Spans)</td>
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<td>114</td>
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<td>Parapet Casting</td>
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<td>1528</td>
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<td>Parapet Erection (Spans)</td>
<td>139</td>
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Off Road Structures

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<tr>
<th>Location</th>
<th>Small Pile cap Nos</th>
<th>Plinth Beam Rm</th>
<th>Column at Deck Level</th>
<th>Slab at Deck Level</th>
<th>Escalator Pit, Cum</th>
<th>Slabs at Concours Level</th>
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<tbody>
<tr>
<td>Nayandahalli</td>
<td>33</td>
<td>281</td>
<td>21</td>
<td>359</td>
<td>11</td>
<td>258</td>
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<tr>
<td>Rajarajeshwari</td>
<td>25</td>
<td>74</td>
<td>5</td>
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<td>0</td>
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<tr>
<td>Jnanabharathi</td>
<td>32</td>
<td>385</td>
<td>35</td>
<td>406</td>
<td>20</td>
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<tr>
<td>Pattanagere</td>
<td>24</td>
<td>236</td>
<td>22</td>
<td>0</td>
<td>14</td>
<td>0</td>
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</tbody>
</table>

Main Stations

<table>
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<tr>
<th>Location</th>
<th>Column at Concours Level &amp; Platform Level</th>
<th>Portal Beams</th>
<th>Slab at Concours Level</th>
<th>Slab at Track Level</th>
<th>Slab at Platform Level</th>
<th>I-Girder Erection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nayandahalli</td>
<td>33</td>
<td>11</td>
<td>7</td>
<td>6</td>
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<td>160</td>
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<tr>
<td>Rajarajeshwari</td>
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<td>11</td>
<td>6</td>
<td>6</td>
<td>12</td>
<td>160</td>
</tr>
<tr>
<td>Jnanabharathi</td>
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<td>8</td>
<td>8</td>
<td>14</td>
<td>125</td>
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<tr>
<td>Pattanagere</td>
<td>36</td>
<td>12</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>160</td>
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</tbody>
</table>
View after erection of Parapet on either end

Jnanabharathi Station Track slab casting work is in progress

Bird Eye view of Viaduct after erection of Parapet from Nayandahalli Station
REACH WISE PROGRESS OF WORKS OF PHASE-II

REACH-2Extension-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, Pier Cap, 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.

East Side view of Mailasandra Station
REACH-3 Extension - Reach-3C: - Extension line of Reach-3b of Phase-1 on Northern Corridor from Hessaraghatta Cross to Bangalore International Exhibition Centre (BIEC) viz Manjunathanagara 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 30 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.

Mock up pier (2.6m x 1.6m) completed at casting yard. 2 sets of 2.6m x 1.6m shutters with pier cap, 1 set of 3m x 1.6m pier shutter & 2 sets of 3m x 2m pier shutters are available at site. 1 mock up segment and 170 precast segments casted till date. 1 I-Girder (Post tensioned) completed till date and Pretensioned I-Girder bed arrangements are under progress. 1 mock up parapet casted till date. Construction of drain at station & viaduct portion is in progress. Drain of length 1200m completed. 5 no. of Test piles completed and 4 No’s of Initial vertical pile load tests (IVLT) & 1 no of Initial lateral pile load test (IHLT) completed till date. 2 Routine Vertical pile load tests at station, 2 Routine Lateral pile load test at Station & 1 at Viaduct and 1 Dynamic pile load test at Station & 1 at Viaduct completed till date. 136 working piles (1200mm) of viaduct casted as on August 2018. 50 main piles of 1200mm, 11 off road piles of 1200mm & 93 off road piles of 600mm have been completed in Manjunath Nagar station as on August 2018. 56 main piles of 1200mm, 16 off road piles of 1200mm & 42 off road piles of 600mm have been completed in Jindal station as on August 2018. 24 Pile caps of viaduct casted as on August 2018. 5 Main Pile caps & 6 off-road pile caps of Manjunath Nagar station and 4 main pile caps of Jindal Station completed as on August’18. 9 Pier & Pier Caps of viaduct completed as on August 2018. 3 Piers up to Concourse level (CCL) of Manjunath Nagar Station and 4 no’s at Jindal Station completed as on August 2018. 17 nos. of Borehole for soil investigation is complete as on date.
REACH WISE PROGRESS OF WORKS OF PHASE-II

View of Works at the Casting Yard

LG 1 erection works is in progress

Segmental Span casting works is in progress

Manjunathnagar Station Pier works is in progress
**NEWS LETTER**

**REACH WISE PROGRESS OF WORKS OF PHASE-II**

**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, Concourse 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.

- 920 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.

- 189 nos of Pile caps out of 223 nos are completed for Viaduct structures. 293 nos of Pile caps are completed out of 296 nos for open foundations are off-road structures at Station locations.

- 49 nos of Pile caps are completed out of 50 nos for C-Grid at Station locations.

- 185 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.

- 48 nos. of Pier Arms for Concourse level out of 50 nos are completed at Station locations. 47 nos. of Piers above Concourse level out of 50 nos are completed at Station locations. 47 nos. of Pier Arms for Track level out of 50 nos are completed at Station locations. 37 nos of Concourse slabs are completed out of 45 nos at Station locations. 36 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.

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<table>
<thead>
<tr>
<th>SI No</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 8 Segmental Span is erected from EP 282 to EP 290.</td>
<td>Talaghattapura Station: I-Girder Erection is completed.</td>
</tr>
<tr>
<td></td>
<td>Anjanapura Township Station: I-Girder Erection 75 nos is completed out of 121 nos.</td>
<td></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 1701 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 229 numbers out of 240 numbers are completed.
Casting of Parapets of 1361 numbers out of 4094 numbers are completed.
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. The drain work, viaduct and station construction is in progress wherever available land stretches.
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.

Viaduct - Segment Erection work is in progress

Casting yard -Segments, Rebar, Profile & Casting is in progress

Casting yard -Segments, Rebar, Profile & Casting is in progress

Building demolition work is in progress
REACH WISE PROGRESS OF WORKS OF PHASE-II

- Station & Viaduct – Pier, Pier Cap, station column & Tie beam work in progress
- Huskur Station Piling work is in progress
- Pile Cap concreting work is in progress
- R 554 & 555 DBM Laying work is in progress
- Concreting work is in progress at Ragigudda Station
RANGOLI METRO ART CENTER

News Letter

AUGUST 2018

Celebrations
Independence Day
PRIDE OF INDIA
Live painting & exhibition of art works
Painting Contest
Fun board games festival
15 Aug 2018

GALLERY
IGNITE SCHOOL OF PASSION
Student Art Exhibition
by Ken school of Arts
3 to 5 Aug 2018 @ 11am to 7.30pm

COLORS OF BANJARA
Art Exhibition
by Manjula L T
10 to 12 Aug 2018 @ 11am to 7.30pm

DESIGN IMPACT AWARDS
by Titan Company Limited
10 to 12 Aug 2018 @ 10am to 7.30pm

MADDER HUES
Art Exhibition
by Five women artists
24 to 26 Aug 2018 @ 11am to 7.30pm

MYRIAD
Design & Art Exhibition
by Sandhya K Sriv & Nishaanka Srisri
31 Aug to 2 Sep 2018 @ 11am to 7.30pm

EMPASSION
Art Exhibition
by Sujaya Jagadish
31 Aug to 2 Sep 2018 @ 11am to 7.30pm

RANGASTHALA
A DASH OF IMPROV
by Punch Tantraa
5 Aug 2018 @ 4 to 9pm

TRIPLEDY
by Xpressionz
11 Aug 2018 @ 6pm

MUSKANEIN JHOOTI HAIN
by Xpressionz
25 Aug 2018 @ 7.30pm

HEADS & TALES
by Bangalore Storytelling Society
26 Aug 2018 @ 4.30 to 5.30pm

MEDIA ELEPHANTS
by Friends of Elephants
26 Aug 2018 @ 8.30 to 9pm

BAYALU
COMMUNITY DRUMJAM - 59
by Robert Nanak & Visuvendra Das
19 Aug 2018 @ 4 to 6pm

VILLAGE GAMES
Every Saturday & Sunday

UPPER WALKWAY
Busking
Every Sunday

“EmPassion”
an event dedicated to welfare of community animals.
-Book launch
-Art exhibition
-Awareness campaign

Inauguration by
Mr. Shivaraj Shukla, IAS
CEO & Secretary, Coffee Board,
Ministry of Commerce & Industries,
Government of India
Ms. Samyukta Hornad
Adviser, AIC & AIFRA

31st August, 2018 at 6:00 pm
“Chaya”
Rangoli – Metro Art Centre,
MG, Road,
Bangalore – 560 001

We invite you to experience design in interactive art form.

“Myriad”
Design + Art Event by
Sanjith S S
Art exhibition
Live art
Application of art
Nihartaaka Srisri
3D printed designs
A fine art exhibition
with will sculpture

“Vismaya”
Rangoli – Metro Art Centre
MRC, Road, Bangalore – 560 001
30th August,
1st and 2nd September, 2018
11 am - 7 pm

Bangalore Storytelling Society presents
HEADS+TALES+
STORYMANIA
with Storytellers

TRUPTI & SOWMYA

26.08.18
Rangasthala
Auditorium
MG Road
4.30 - 5.30 pm

LOLBAGH
IMPROV SHOW
First Drive

SCARY STORIES
BY KARPATHY
August 17, Friday
6.30 pm-7.30 pm
Venue: Rangasthala, MG Road
Ticket Rs 200/-
FOR KIDS ABOVE 7 YRS & FAMILIES

Tickets available on EventHigh.com

Rangoli-MAC, Boulevard, M G Road, Bengaluru 560 001 • 080-22969265
E mail : rangoli@bmc.co.in • Website : rangoli.bmc.co.in
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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.

The sketch showing the Phase 1,2 & 2A network of namma metro is given below:

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