

Draft Resettlement Plan

Project Number: 53326-001
September 2020

India: Bengaluru Metro Rail Project Phase 2B K.R. Puram to Airport

CURRENCY EQUIVALENTS

(as of 8 September 2020)

Currency Unit – Indian Rupee (INR)
USD1.00 = INR 73.4270

ABBREVIATIONS

| | |
|-------|--|
| ADB | Asian Development Bank |
| BDA | Bengaluru Development Authority |
| BBMP | Bruhat Bengaluru Mahanagara Palike |
| BMTc | Bangalore Metropolitan Transport Corporation |
| BMRC | Bangalore Metro Rail Corporation Limited |
| BPL | Below Poverty Line |
| CRP | Compensation and Resettlement Package |
| GoK | Government of Karnataka |
| KIADA | Karnataka Industrial Area Development Act |
| KIADB | Karnataka Industrial Area Development Board |
| KIAL | Kempegowda International Airport Limited |
| NHAI | National Highways Authority of India |
| ORR | Outer Ring Road |
| RMV | Recommended Market Value |

NOTE

- (i) The fiscal year (FY) of the Government of India ends on 31 March. FY before a calendar year denotes the year in which the fiscal year ends, e.g., FY2020 ends on 31 March 2020.
- (ii) In this report, "\$" refers to US dollars

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ANNEXURES

Annexure - 1: List of Owners

| Sl. No. | Property ID | Survey No. | Land owner as per 28/4 | Extent as for 28 (4) | Name of the Property Owners |
|---------|---------------|---------------|------------------------|----------------------|--|
| 1 | BYP-3RD-3B-1 | 3/2 | Pvt | 101.51 | Hindustan cococola bevarages pvt ltd |
| 2 | BYP-3RD-3B-2 | 3/2 | Pvt | 224.98 | 1)Indiramma venkatareddy 2)Indiramma v.sudharshan 3)V.Manjunath 4)V.Tejaswini |
| 3 | BYP-3RD-3B-3 | 3/1 | Pvt | 930.13 | Sidda Reddy.M. |
| 4 | BYP-3RD-8H | 105/5 | Pvt | 131.06 | S,Byrappa |
| 5 | ARP-VRP-1 | 87/3 | Pvt | 800 | R.M.Dhariwala |
| 6 | ARP-VRP-2 | 78/1 | Pvt | 9.96 | Manyatha Promoters Pvt ltd |
| 7 | ARP-VRP-2D | 89/3 | Pvt | 149.9 | Kartara Singh Lalwani |
| 8 | ARP-VRP-2E | 89/11 | Pvt | 92.59 | Padmavathi Dhareppa Uppar |
| | | 89/12 | Pvt | | |
| 9 | ARP-VRP-3A | 88/1 | pvt | 190.18 | K.Ramesh |
| 10 | ARP-VRP-3B | 88/1 | pvt | 127.49 | Asha .R |
| 11 | ARP-VRP-4(2) | 88/1 | pvt | 19.94 | Dinesh R |
| 12 | ARP-VRP-4A(2) | 88/1 | pvt | 27.18 | Murari |
| 13 | ARP-VRP-5 | 85/7 | Pvt | 70.00 | Manyatha Promoters Pvt ltd |
| 14 | BYP-3RD-7A | 44 | Pvt | 150.55 | Syed Asad Ahmed |
| 15 | BYP-3RD-7B | 44 | Pvt | 144.64 | Kishore Gowda |
| 16 | BYP-3RD-8A | 44 | Pvt | 178.03 | Dr.Murali Narayana Reddy |
| 17 | BYP-3RD-8B | 44 | Pvt | 140.6 | Rakesh Kingar |
| 18 | BYP-3RD-8C | 44 | Pvt | 137.31 | T.G.Ravindran |
| 19 | BYP-3RD-8D | 43/1 | Pvt | 133.10 | N.Lakshmi |
| 20 | BYP-3RD-8E | 43/1 | Pvt | 130.93 | Anupama Ravikumar |
| 21 | BYP-3RD-8F | 43/1 | Pvt | 131.06 | Banu developers /Mukunda |
| 22 | BYP-3RD-8G | 43/1 105/5 | Pvt | 131.06 | Dr. Susheelamma M. W/o Late A.Sanjeewa Reddy |
| 23 | BYP-3RD-8H | 105/5 | Pvt | 131.06 | S,Byrappa |
| 24 | BYP-3RD-8 I | 105/4, 105/5 | Pvt | 131.06 | V.Munirathnam |
| 25 | BYP-3RD-8 J | 105/3, 105/4 | Pvt | 241.76 | A.Francis Xavier |

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|---------|--------------------------|---|------------------------|----------------------|---|
| 26 | ARP-CNS-1A | 66/2 | Pvt | 371.61 | Meera Ravindra |
| 27 | ARP-CNS-1B | 66/2 | Pvt | 371.61 | B. Ramesh Upadya |
| 28 | ARP-CNS-4A | 68 | Pvt | 160.22 | P. Venugopal Reddy |
| 29 | ARP-CNS-4B | 68 | Pvt | 19.78 | G. Munireddy |
| 30 | ARP-HRM-3A | 115/1A | Pvt | 138.35 | Gopal Reddy, Naveen Kumar, Ganesh Reddy |
| 31 | ARP-HRM-3B & ARP-(Ele-1) | 115/1B | Pvt | 80.65 | R. Babu Reddy B. Jayanth Reddy |
| 32 | ARP-HRM-4A | 115/1A | Pvt | 106.11 | R. Babu Reddy B. Jayanth Reddy |
| 33 | ARP-HRM-4B | 115/1A 115/1B | Pvt | 73.89 | Gopal Reddy, Naveen Kumar, Ganesh Reddy |
| 34 | ARP-HBR-2A | 47/2 | Pvt | 361.18 | Shalom Shelter LLP |
| 35 | ARP-HBR-3A | 47/1 | Pvt | 30.96 | Jagadamba K.N |
| 36 | ARP-HBR-3B | 47/1, 55/3 | Pvt | 60.96 | Murthy |
| 37 | ARP-NGW-1 | 154/2 | Pvt | 78.65 | Kousar w/o Abdul Rehman |
| 38 | ARP-VRP-2B | 87/3 | Pvt | 923.15 | SHARADA |
| 39 | ARP-VRP-2C | 89/3,87/3 | Pvt | 963.99 | DHAVALAGIRI PROPERTIE |
| 40 | ARP-VRP-3C | 88/1 | Pvt | 29.59 | AMIL LIMITED |
| 41 | ARP-VRP-4(1) | 88/1 | Pvt | 23.04 | AMIL LIMITED |
| 42 | ARP-VRP-4A(1) | 88/2 | Pvt | 41.97 | Dinesh R |
| 43 | ARP-VRP-4A(2) | 88/1 | Pvt | 10.16 | L.Roopa and etc. |
| 44 | ARP-VRP-5A | 78/1 | Pvt | 53.4 | Manyatha Promoters Pvt ltd |
| 45 | ARP-VRP-6 | 88/1 | pvt | 70 | Manyatha Promoters Pvt ltd |
| 46 | ARP-VRP-7 | 87/5 | pvt | 94.44 | Murari |
| | | 88/5 | pvt | 85.56 | |
| 47 | ARP-HBL-1B | 110/2,110/3,1 11,113,114/1, 114/5,114/4 | pvt | 2994.83 | Shantha Industrial Enterprises |
| 48 | ARP-HBL-1F | 80/3, 81 | pvt | 350.86 | L.Radhakrishna |
| 49 | ARP-HBL-1G | 81 | pvt | 111.47 | M.Venkatesh |
| 50 | ARP-HBL-1H | 81 | pvt | 105.00 | G.Sitarama |

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| 51 | ARP-HBL-1I | 81 | pvt | 21.14 | H.S.Raju |
| 52 | BYP-3RD-7A | 44 | Pvt | 243.2 | Syed Asad Ahmed |
| 53 | BYP-3RD-7B | 44 | Pvt | 205.65 | Kishore Gowda |
| 54 | BYP-3RD-8A | 44 | Pvt | 327.22 | Dr.Murali Narayana Reddy |
| 55 | BYP-3RD-8B | 44 | Pvt | 230.49 | Rakesh Kingar |
| 56 | BYP-3RD-8C | 44 | Pvt | 233.78 | T.G.Ravindran |
| 57 | BYP-3RD-8D | 43/1 | Pvt | 237.99 | N.Lakshmi |
| 58 | BYP-3RD-8E | 43/1 | Pvt | 240.16 | Anupama Ravikumar |
| 59 | BYP-3RD-8F | 43/1 | Pvt | 240.03 | Banu developers /Mukunda |
| 60 | BYP-3RD-8G | 43/1 | Pvt | 240.03 | Dr. Susheelamma M. W/o Late A.Sanjeeva Reddy |
| 61 | BYP-3RD-8H | 105/5 | Pvt | 240.03 | S,Byrappa |
| 62 | BYP-3RD-8 I | 105/4, 105/5 | Pvt | 240.03 | V.Munirathnam |
| | | | Pvt | | |
| 63 | BYP-3RD-8 J | 105/3, 105/4 | Pvt | 276.74 | A.Francis Xavier |
| 64 | BYP-3RD-9 | 105/4 | Pvt | 25.11 | Yeldo P Vargesi |
| 65 | BYP-3RD-10 | 95 | Pvt | 46.51 | Lakshamma |
| 66 | BYP-3RD-11 | 45 | Pvt | 188.84 | B.N.Latha manjula |
| 67 | BYP-3RD-12 | 45 | Pvt | 127.26 | Manohar pishe |
| 68 | BYP-3RD-13 | 45 | Pvt | 86.75 | Vijaya raghavan |
| 69 | BYP-3RD-14 | 45 | Pvt | 20.89 | S.R.Vijayakumar |
| 70 | BYP-3RD-7C | 44 | Pvt | 54.61 | param pal singh |
| 71 | BYP-3RD-7D | 44 | Pvt | 107.04 | Balachandar |
| 72 | ARP-HRM-1 | 115/1C | Pvt | 636.41 | R. Venkateshwara Reddy |
| 72 | ARP-HRM-2A | 115/1C 114/1 | Pvt | 342.79 | R. Venkateshwara Reddy |
| 73 | ARP-HRM-2B | 114/1 | Pvt | 158.2 | Jaganth Shetty |
| 74 | ARP-HRM-2C | 108/2 | Pvt | 248.87 | R. Venkateshwara Reddy |
| 75 | ARP-HBR-2B | 47/1, 47/2, 55/3 | Pvt | 361.18 | C. Bhaskar |
| 76 | ARP-HBR-3C | 55/3 | Pvt | 7.21 | Kanayalal M Katwani |
| 77 | ARP-VRP-2C | 87/3 | Pvt | 81.26 | Davalagiri Promotors pvt ltd |
| 78 | ARP-VRP-2E | 89/12 | Pvt | 11.14 | Padmavathi Dhareppa Uppar |

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| 79 | ARP-VRP-4(2) | 88/1 | Pvt | 16.73 | Dinesh R |
| 79 | ARP-VRP-4A(1) | 88/1 | Pvt | 6.31 | Dinesh R |
| 80 | ARP-VRP-7 | 87/5 | Pvt | 20.51 | Jayameri |
| | | 88/5 | Pvt | 12.67 | R.M.Dhariwala |
| 81 | ARP-VRP-Ele | 78/1 | Pvt | 30.00 | Manyatha Promoters Pvt ltd |
| 82 | ARP-CNS-4A | 68 | Pvt | 33.21 | P. Venugopal Reddy |
| 82 | ARP-HRM-2A | 115/1C 114/1 | Pvt | 32.18 | R. Venkateshwara Reddy |
| 83 | ARP-HRM-2B | 114/1 | Pvt | 9.05 | Jaganth Shetty |
| 84 | ARP-HRM-3A | 115/1A | Pvt | 26.24 | Gopal Reddy, Naveen Kumar, Ganesh Reddy |
| 85 | ARP-HRM-3B | 115/1B | Pvt | 7.15 | R. Babu Reddy B. Jayanth Reddy |
| 85 | ARP-HRM-4A | 115/1A | Pvt | 50.33 | R. Babu Reddy B. Jayanth Reddy |
| 86 | ARP-HRM-4B | 115/1A 115/1B | Pvt | 38.48 | Gopal Reddy, Naveen Kumar, Ganesh Reddy |
| 87 | ARP-HBR-2A | 47/2 | Pvt | 10.43 | Shalom Shelter LLP |
| 88 | ARP-HBR-2B | 47/1, 47/2, 55/3 | Pvt | 10.43 | C. Bhaskar |
| 89 | ARP-HBR-3A | 47/1 | Pvt | 58.34 | Jagadamba K.N |
| 90 | ARP-HBR-3B | 47/1, 55/3 | Pvt | 10.9 | Murthy |
| 91 | ARP-NGW-1 | 154/2 | Pvt | 20.26 | Kousar w/o Abdul Rehman |
| 92 | ARP- KDH- 5A | 44/3G | Pvt | 17.73 | Praphulla Muniyappa |
| 93 | ARP- KDH- 5B | 44/2B1 | Pvt | 80.85 | N. Ramachandra Reddy S/o. Nanjappa Reddy |
| 94 | ARP- KDH- 5C | 44/2B2 | Pvt | 78.20 | Suresh Bhatiya S/o. M.M. Bhatiya Sunil Bhatiya S/o. M.M. Bhatiya |
| 95 | ARP- KDH- 5D | 44/2A | Pvt | 459.58 | |

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| | ARP- KDH- 1 | | | | B.H. Narayana Swamy S/o. Hanume Gowda Smt. Rukminiyamma W/o. B.H. Narayana Swamy Dr. B.N. Pavitra W/o. Maheshraj Gopal B.N. Praveen B.N. Rakesh |
| 96 | ARP- KDH- 3 | 48/4 | Pvt | 70.00 | A.L. Muttayya R.M. Muttayya A.L. Annamalai M/s. RMZ Azure |
| | ARP- KDH- 3A | | | 70.00 | |
| | ARP- KDH- 3B | | | 55.68 | |
| 97 | ARP- KDH- 3C | 48/4 | Pvt | 70.00 | A.L. Muttayya A.L. Annamalai M/s. RMZ Latitude |
| | ARP- KDH- 3D | 48/4 | | 70.00 | |
| | ARP- KDH- 3E | 48/4 | | 3.45 | |
| | ARP- KDH- 2A | 48/4 | | 21.09 | |
| 98 | ARP- KDH- 2B | 48/1 | Pvt | 36.98 | G. Paramashivaiah S/o. Lingappa |
| | | 125/1 | | 930.52 | |
| 99 | ARP- KDH- 2C | 45/1 | Pvt | 272.14 | M/s. Esteem Icon |
| | | | | 166.00 | |
| 100 | ARP- KDH- 2D | 104 | Pvt | 174.69 | Smt. Velli Muttaiah W/o. Late. R.M. Muttaiah |
| 101 | ARP- KDH- 4 | 104 | | 68.40 | Smt. Velli Muttaiah W/o. Late. R.M. Muttaiah |
| 102 | ARP- KDH- 4A | 106/7 | Pvt | 64.40 | 1. B.M.Vijaya Kumar 2. B.M. Prithviraj 3. B.M. Chandraprabha 4. B.M. Murali |
| | ARP- KDH- (Ele) | | | 16.00 | |
| | ARP- KDH- 4B | 106/7 | | 64.43 | 1. B.M.Vijaya Kumar 2. B.M. Prithviraj 3. B.M. Chandraprabha 4. B.M. Murali |
| | ARP- KDH- 4C | 106/7 | | 56.09 | 1. B.M.Vijaya Kumar 2. B.M. Prithviraj 3. B.M. Chandraprabha 4. B.M. Murali |
| 1103 | ARP- JKR-2 | 103 | Pvt | 393.8 | Sparkle One Mall Developers Private Limited |
| | | 104/1 | | 506.2 | |

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| | ARP- JKR-5 | 102/2 102/3 104/1 | | 116.96 | Sparkle One Mall Developers Private Ltd |
| 104 | ARP- JKR-4B | 8/1B2 | Pvt | 44.31 | Shell India Marketing Pvt Ltd |
| 105 | ARP- JKR-4A | 8/2C | Pvt | 68.08 | 1. B.G. Shashikiran S/o. B.K. Gopalakrishna 2. G. Manjunatha S/o. B.V. Gopalaiah 3. K. Gopala Reddy S/o. Doddappaiah |
| | ARP- JKR-4 | 8/2B | | 70.00 | |
| | ARP- JKR-1A | 8/2B | | 70.00 | |
| 106 | ARP-JKR-1 | 6/1,2,3, & 7/1 | Govt | 0.00 | APMC |
| 107 | ARP- JKR-3D | 6/4 | Pvt | 21.90 | M. Gopal S/o. y Muniswamappa |
| | ARP- JKR-3C | 6/4 | | 50.48 | |
| 108 | ARP- JKR-3B | 5/1 | Pvt | 50.56 | Maruthi Suzuki (India) Ltd |
| | ARP- JKR-3A | 5/1 | | 49.86 | |
| | ARP- JKR-3 | 5/1 | | 40.94 | |
| | | 5/2A | | 15.37 | |
| 109 | ARP- KGC-5A | 64 | Pvt | 70.00 | Y.M. Rangaswamy S/o. Mallappa |
| | ARP- KGC-5(1) | 64 | | 59.29 | |
| | ARP- KGC-(Ele) | 64 | | 15.00 | |
| 1110 | ARP- KGC-5(2) | 65 | Pvt | 10.71 | Prakash E Patel S/o. Eshwara Patel |
| | | | | | |
| | ARP- KGC-1 | 65 | | 47.06 | Hamsa E Patel Bhagyavathi, Sunitha |
| 111 | ARP- KGC-1(A) | 66 | Pvt | 198.68 | N. Devarajaiah S/o. Narasimhaiah Rangalakshmi W/o. Devarajaiah |
| 112 | ARP- KGC-1(B) | 67 | Pvt | 187.03 | K Rajareddy S/o. Late. Krishnappa Y.K. Ramanjanappa S/o. Late. Krishnappa |
| 113 | ARP- KGC-1(D) | 67 | Pvt | | Dayanand Pai Signatory Authority Manipal Academy of Higher Education |
| 114 | ARP- KGC-1(E) | 68/1 | Pvt | 60.51 | |

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| | | 68/2 | | 55.09 | Dayanand Pai Signatory Authority Manipal Academy of Higher Education |
| 115 | ARP- KGC-1(I) | 68/3 | | 64.90 | |
| 116 | ARP- KGC-1(M) | 69 | | 811.81 | |
| 117 | ARP- KGC-1(O) | 70/1 70/3 70/4 | Pvt | 721.12 246.21 | P. Umapathy Raju S/o. Gopal Raju |
| 118 | ARP- KGC-1(P) | | Pvt | | S.R. Vishwanath S/o. K.V. Ramaiah |
| 119 | ARP- KGC-1(Q) | | Pvt | | Dayanand Pai Signatory Authority Manipal Academy of Higher Education |
| 120 | ARP- KGC-1(R) | 70/2 | Pvt | 907.14 | 1. Hanumappa S/o. Subbaiah 2. Appanna S/o. Subbaiah 3. Ramakrishna S/o. Subbaiah 4. Doddanna S/o. Subbaiah 5. Rajanna S/o. Subbaiah 6. Narayana Gowda S/o. Subbaiah |
| 121 | ARP- KGC-1(S) | 71 | Pvt | 1089.95 | Dayanand Pai Signatory Authority Manipal Academy of Higher Education Palla Bachchamma W/o. Byarappa |
| | | 72 | Pvt | 1090.83 | |
| 122 | ARP- KGC-1(T) | 73/1 | Pvt | 1384.24 | Dayanand Pai Signatory Authority Manipal Academy of Higher Education Govindappa S/o. Munivenkatappa A.Ramakrishna S/o. Anjaneyachar |
| 123 | ARP- KGC-1(U) | 73/2B | Pvt | 126.33 | M. Govindappa S/o. Munivenkatappa Y.G. Keshav S/o. M. Govindappa |
| 124 | ARP- KGC-1(V) | 73/2A | Pvt | 359.44 | Narayanappa S/o. Appaiah |
| 125 | ARP- KGC-1(X) | 74/2 | Pvt | 96.24 | Y.C. Hemaraj S/o. Y.P. Chandrappa |
| 126 | ARP- KGC-4 | 73 | Pvt | 117.88 | Y.C. Hemaraj S/o. Y.P. Chandrappa |
| | | 87 | | 129.48 | |

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| | ARP- KGC-(Ele) | 74 | | 15.00 | Y.V. Chandrappa S/o. Veeraswamappa |
| 127 | ARP- KGC-4(1) | 86/4 | Pvt | 339.08 | C. Gopalan S/o. Late P.K. Phanikar |
| | ARP- KGC-4(E) | 86/7 | | 70.00 | |
| | ARP- KGC-4(D) | 86/8 | | 70.00 | C. Pramod S/o. Gopalan |
| | ARP- KGC-4(C) | | | 70.00 | |
| | ARP- KGC-4(B) | | | 70.00 | |
| 128 | ARP- KGC-4(A) | 98/6 | Pvt | 70.00 | Y.N. Ramakrishna Y.M.Gopal Y.M. Srinivas |
| 129 | ARP- KGC-6(1) | 75 | Pvt | 4.18 | Y.M. Ramamurthy S/o. Veerappa |
| 130 | ARP- KGC-6(2) | 75 | Pvt | 11.95 | Latha V. W/o. K. Sativel |
| 131 | ARP- KGC-6(3) | 75 | Pvt | 32.58 | Parvathamma W/o. Late. Y.V. Chinnappa |
| 132 | ARP- KGC-6(4) | 75 | Pvt | 28.00 | Latha V. W/o. K. Sativel |
| 133 | ARP- KGC-6(5) | 75 | Pvt | 26.90 | Girija W/o. Sampath |
| 134 | ARP- KGC-6(6) | 75 | Pvt | 24.40 | Y.C. Venkatesh S/o. Y.V. Chinnappa |
| 135 | ARP- KGC-6(7) | 75 | Pvt | 24.35 | Vijayakrishna |
| 136 | ARP- KGC-6(8) | 75 | Pvt | 18.46 | Y.C. Narasimha murthy S/o. Y.V. Chinnappa |
| 137 | ARP- KGC-6(9) | 75 | Pvt | 9.18 | Muniraj |
| 138 | ARP – KGC -2 | | Pvt | 91.79 | Subbanna S/o. Late. Nanjundappa |
| 149 | | | Pvt | 91.79 | Krishnamurthy S/o. Late. Nanjundappa |

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| 140 | | | Pvt | 115.62 | Syed Murthooj Ameen, Ayisha Parveen |
| 141 | | | Pvt | 25.5 | Ammayamma, Rajann |
| 142 | | | Pvt | 79.97 | Y.G. Raju |
| 143 | | | Pvt | 16.32 | Akkayamma W/o. Rajanna |
| 144 | | | Pvt | 68.75 | Kempamma W/o. Late Krishnappa |
| 145 | | | Pvt | 139.94 | Subbanna Krishnamurthy Ammayamma Rajanna Y.G. Raju Akkayamma Kempamma |
| 146 | ARP- KGC-2(1) | 69 | Pvt | 111.92 | Valbai W/o. M.K. Patel Y.G. Srinivasmurthy |
| 147 | ARP- KGC-2(2) | 68/2 68/3 | Pvt | 69.19 295.58 115.84 | V.V. Ramamurthy S/o. V.V. Venkataramana |
| 148 | ARP- KGC-3 | 77/8 77/5B | Pvt | 234.36 | B.M. Susheelamma W/o. Late. V. Rangappa |
| 149 | ARP- KGC-5B ARP- KGC-5C | 12/1 | Pvt | 103.57 75.46 | Parthasarathi, K.P. Surendra, Vijaya prabha, Ujwala Deepa, |
| 150 | ARP-PRR-1 | 3/1A2 | Pvt | 351.96 | K V Vasantha w/o G Nanjundappa |
| 151 | ARP-PRR-2, -3 -3A, -3B, -3C, | 8/1,8/2 | Pvt | 1754.33 | G Satyanarayana shetty s/o Giryappa shrty |
| 152 | ARP-PRR-3 | 8/2. | Pvt | 2.25 | VCA Builders & Developers |
| 153 | ARP-PRR-4 | 3/2. | Pvt | 76.38 | M/S Seeram enterprises |
| 154 | ARP-PRR-5 | 7/2b. | Pvt | 43.19 | M Venkataramaiah M V Sredhara M V Radhakrishna |

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| 155 | ARP-PRR-6-6A | 7/2b. | Pvt | 140 | Laksmamma w/o Pachappa |
| 156 | ARP-PRR-6B-6C-6D | 7/2A. 7/1. | Pvt | 210 | M/S Prabha builders & Developers |
| 157 | ARP-PRR-7 | 12/1. | Pvt | 473.26 | C V Rajalaksmi w/o VP Varama |
| 158 | ARP-PRR-8/1 | 11/1. | Pvt | 1018.83 | C Lalithashastri w/o CS Shastri P Muralimohanarao s/o P Vishvanath |
| 159 | ARP-PRR-8/2 | 11,/1. | Pvt | 320.8 | Channaveeraiah, V Sreenivasa reddy |
| 160 | ARP-PRR-8/3 | 11/1. | Pvt | 131.91 | Janganmamata |
| 161 | ARP-PRR-8/4 | 9/1. | Pvt | 308.78 | H R Hemachandra |
| 162 | ARP-PRR-8/5 | 9/1. | Pvt | 205.13 | G Raja late s/o Govindaswamy |
| 163 | ARP-PRR-8/6 | 9/1. | Pvt | 156.24 | Hara KHT Enterprises Pvt ltd |
| 164 | ARP-PRR-8/7 | 9/1. | Pvt | 179.01 | J Uma w/o S Srinivas |
| 165 | ARP-PRR-8/8 | 8/1. | Pvt | 119.46 | Umesh K s/o karigowda Nivedita Rajiv |
| 166 | ARP-PRR-8/9 | 8/1,9/1. | Pvt | 271.96 | BN Sunanda w/o bsn hari |
| 167 | ARP-PRR-8/10, ARP-PRR-8A | 6/1,7/1,7/3,8/1 | Pvt | 634.24 | Janganmamata |
| 168 | ARP-TRJ-1 | 63,39. | Pvt | 900 | Shashikanth s/o Gangappa |
| 169 | ARP-TRJ-2 | 68,69,70 | Pvt | 1164.69 | Ramee hotel pvt ltd |
| 170 | ARP-TRJ-3-3A-3B-4 | 68 | Pvt | 280 | S Vishnushankara sukla Anjali geetha sukla |
| 171 | ARP-TRJ-6 | 70 | Pvt | 49.83 | K Lakshmipathi s/o krishnappa |
| 172 | ARP-TRJ-6A-6B | 70,189 | Pvt | 140 | Renuka manjnani w/o Dr.Mohan Manjnani |
| 173 | ARP-TRJ-6C-7-(ELE) | 186,189,79 (new112) | Pvt | 2055.37 | Prestige Garden Resort pvt ltd |
| 174 | ARP-TRJ-8 | 79 (new117/3) | Pvt | 32.76 | OL Prabhu so OM Lingappa |

| Sl. No. | Property ID | Survey No. | Land owner as per 28/4 | Extent as for 28 (4) | Name of the Property Owners |
|---------|-------------------|--------------------|------------------------|----------------------|---|
| 175 | ARP-TRJ-9 | 79 (new 117/1,116) | Pvt | 7186.94 | Kalpana Palegar s/o OM Lingappa OL Rajendra s/o OM Lingappa OL Guruprasad s/o OM Lingappa Ajay Rajendra s/o OL Rajendra Ashwin Rajendra OL Rajendra |
| 176 | ARP-TRJ-10, Depot | 78. 79. | Pvt | 94185.5 | Govt Gomala RN Ashwatha Narayana N Ramamurthy Guttappa and Others |
| 177 | ARP-TRJ-10 | 37 | Pvt | 35336.53 | MR Sampangi Ramaiah MR Janakiram MR Prabhavathi MR Padmavathi MR Raghuram |
| 178 | ARP-BTH-1 | 36 | PVT | 1275.59 | MS Ashwath Narayana |
| 179 | ARP-BTh- 1 | 33/1; 33/2 | Pvt | 210.05 | Mohnin Sharief |
| 180 | ARP- BTH 2 | 13/2 -3-4 | Pvt | 900.00 | NR Geetha N Ravindra DP Keshava Reddy Ministry of Defence |
| 181 | ARP- BTH-1, 3, 3A | 33/3 | Pvt | 590.61 | Basamma |
| 182 | ARP-BTH-4 | 37-3 | Pvt | 45.09 | SM ramesh |
| 183 | ARP-BTH-4A | 33-2 | Pvt | 70 | SM Chandrashekara |
| 184 | ARP-BTH-4B | 37-1 | Pvt | 43.34 | SM Vevugopal |
| 185 | ARP-BTH-4C | 8 | Pvt | 70 | Nagamma |
| 186 | ARP-BTH-5 | 12/1 | PVT | 42.17 | Bandeppa Reddy |
| 187 | ARP-BTH-3C&3D | 172 | Pvt | 115.70 | Meghana Prasad Deshpande |

Annexure - 2: List of Tenants

| Sl. No. | Property ID | Survey No. | Extent | Tenant Name | Type of impact |
|---------|--------------|------------|--------|--------------------------|----------------|
| 1 | BYP-3RD-3B-1 | 3/2 | 101.51 | Anuragh Mehta | commercial |
| 2 | BYP-3RD-3B-2 | 3/2 | 224.98 | Mallikarjun | Residential |
| | | | | Eshwar | Residential |
| | | | | Raju | Residential |
| | | | | Seenappa | Residential |
| | | | | Ramadhari | Residential |
| | | | | Kamalesh | Residential |
| | | | | Mariyappa | Residential |
| | | | | Vinod | Residential |
| | | | | Indrani | Residential |
| | | | | Allam | Residential |
| | | | | Dharmaraj | Residential |
| | | | | Ibrahim | Residential |
| | | | | Gnanaprakash | Residential |
| | | | | Ajantha | Residential |
| 3 | BYP-3RD-3B-3 | 3/1 | 930.13 | Krishna | Residential |
| | | | | Devappa | Residential |
| | | | | Savitri | Residential |
| | | | | Devappa | Residential |
| | | | | Sabanna | Residential |
| | | | | Nagoor | Residential |
| | | | | Santosh kumar | Residential |
| | | | | prabhu | Residential |
| | | | | Ananda | Residential |
| | | | | Ramsapath | Residential |
| | | | | prabhu | Residential |
| | | | | Das | Residential |
| | | | | Vipul | Residential |
| | | | | Shafi | Residential |
| | | | | Wazeer | Residential |
| | | | | Rameshwara | Residential |
| | | | | Sonu | Residential |
| | | | | Santosh | Residential |
| | | | | Aravinda | Residential |
| | | | | Ammee | Residential |
| | | | | Devendra | Residential |
| | | | | sangam | Residential |
| | | | | Sathish | Residential |
| | | | | Manjunath | Residential |
| 4 | BYP-3RD-8A | 44 | 178.03 | Dr.Murali Narayana Reddy | commercial |
| 5 | BYP-3RD-8B | 44 | 140.6 | Praveen | commercial |
| 6 | BYP-3RD-8C | 44 | 36.11 | Gopala krishna | commercial |
| 7 | BYP-3RD-8E | 43/1 | 130.93 | Anupama Ravikumar | commercial |

| Sl. No. | Property ID | Survey No. | Extent | Tenant Name | Type of impact |
|---------|---------------|-----------------|-------------------|--------------------------|----------------|
| 8 | BYP-3RD-8G | 43/1 | 33.95 | Murali | Residential |
| 9 | BYP-3RD-8 J | 105/3, 105/4 | 61.71 & 180.05 | A.Francis Xavier | commercial |
| 10 | BYP-3RD-10 | 95 | 46.51 | Sagar | Residential |
| 11 | BYP-3RD-13 | 45 | 86.75 | Vijaya raghavan | Residential |
| 12 | BYP-3RD-7C | 44 | 54.61 | Jeetapal | Residential |
| 13 | BYP-3RD-7D | 44 | 107.04 | Balachandar | Residential |
| 14 | ARP-VRP-1 | 87/3 | 489.63 | Narayanaswamy | Residential |
| | | 86 | 310.37 | | |
| 15 | ARP-VRP-2 | 78/1 | 9.96 | Admin | commercial |
| 16 | ARP-VRP-2B | 86 | 334.87 | Shrinivasa | Residential |
| | | 87/3 | 671.44 | | |
| 17 | ARP-VRP-2C | 87/3 | 914.82 | Nandish | commercial |
| | | 89/3 | 51.51 | | |
| 18 | ARP-VRP-2D | 89/3 | 149.9 | Kartara Singh | commercial |
| 19 | ARP-VRP-2E | 89/11 | 51.2 | Sharan | Residential |
| | | 89/12 | 41.39 | | |
| 20 | ARP-VRP-3A | 88/1 | 190.18 | Anto Tiffen centre | commercial |
| | | | | Mohan Name boards | commercial |
| | | | | Kannan Borewell | commercial |
| | | | | Vishalakshi construction | commercial |
| 21 | ARP-VRP-3B | 88/1 | 127.49 | Car Shop Alimulla | commercial |
| | | | | Nawa Motors | commercial |
| | | | | Lic Subhashini | commercial |
| 22 | ARP-VRP-3C | 88/1 | 59.49 | Amil Adil | commercial |
| | ARP-VRP-4(1) | | 42.5 | | |
| 23 | ARP-VRP-4(2) | 88/1 | 19.94 | Laxman | commercial |
| | ARP-VRP-4A(1) | | 41.97 | | |
| 24 | ARP-VRP-4A(2) | 88/1 | 27.18 | Murari | commercial |
| 25 | ARP-VRP-5 | 85/7 | 70.00 | Admin | Residential |
| 26 | ARP-VRP-5A | 78/1 | 61.68 | Admin | Residential |
| 27 | ARP-VRP-6 | 78/1 | 84.64 | Admin | Residential |
| 28 | ARP-VRP-7 | 87/5 | 94.44 | Jayameri | Residential |
| 29 | | 88/5 | 85.56 | Narayanaswamy | Residential |
| 30 | ARP-HBL-1G | 81 | 111.47 | Vijaya | commercial |

| Sl. No. | Property ID | Survey No. | Extent | Tenant Name | Type of impact |
|---------|----------------|------------|--------|-------------------------------|----------------|
| 31 | ARP-HBL-1H | 81 | 105.00 | Mukundayya | commercial |
| 32 | ARP-HBL-1I | 81 | 21.14 | Dastagir | commercial |
| 33 | ARP- KDH- 2B | 48/1 | 36.98 | Narasingh Pan shop | commercial |
| | | 125/1 | 930.52 | Citizen Car | commercial |
| | | | | Ganghadeswara Tent House | commercial |
| | | | | Dhavangere Arts | commercial |
| 34 | ARP- KDH- 4B | 106/7 | 64.43 | INDIAN OIL PETROL BUNK | commercial |
| | | | | 3 M CAR CARE | commercial |
| | | | | SAI GANESH TILES & GRANITES | commercial |
| | | | | GOLDEN BOWL | commercial |
| 35 | ARP- KGC-5A | 64 | 70.00 | UDUPI GRAND PURE VEG | commercial |
| | ARP- KGC-5(1) | 64 | 59.29 | VANDANA GARDENIYA | commercial |
| | ARP- KGC-(Ele) | 64 | 15.00 | HYDRABAD BIRIYANI & JUST BAKE | commercial |
| 36 | ARP- KGC-5(2) | 65 | 10.71 | NEW INDIA STALL | commercial |
| | | | | BRAMHLINGESWARA JUICE CENTER | commercial |
| | ARP- KGC-1 | 65 | 47.06 | ROYAL ENFIELD | commercial |
| 37 | ARP- KGC-1(A) | 66 | 198.68 | MANJUNATH ENTERPRISES | commercial |
| | | | | JABI | commercial |
| | | | | YUSUF | commercial |
| 38 | ARP- KGC-4(A) | 98/6 | 70.00 | JUICE & GRILL | commercial |
| | | | | ARBANS RESTAURANT | commercial |
| 39 | ARP- KGC-6(1) | 75 | 4.18 | Gopi Auto Electrical Works | commercial |
| 40 | ARP- KGC-6(3) | 75 | 32.58 | ANIL CAR SEAT COVERS | commercial |
| | | | | SRI GANESH TRAVELS | commercial |
| 41 | ARP- KGC-6(5) | 75 | 26.90 | GURU RAGHAVENDRA CANDIMENTS | commercial |

| Sl. No. | Property ID | Survey No. | Extent | Tenant Name | Type of impact |
|---------|---------------|------------------|-------------|--------------------------|----------------|
| | | | | T V WORKS SHOP | commercial |
| | | | | CAR SEAT COVERS | commercial |
| | | | | SHOW ZONE NO.PLATE SHOP | commercial |
| 42 | ARP- KGC-6(6) | 75 | 24.40 | NAGARAJ MOTORS | commercial |
| 43 | ARP- KGC-2 | 75 | 91.79 | JAYAMMA | Residential |
| | | | | ZARINA | Residential |
| | | | | GURUSHIDDAPPA | Residential |
| | | | | SUBBANNA | Residential |
| | | | | RAVI | Residential |
| | | | | CHIRANJEEVI | Residential |
| | | | | CHANDRAPPA | Residential |
| | | | | KIRAN ENGINEERING WORKS | commercial |
| | | | | KARNATAKA PORK SHOP | commercial |
| 44 | | | 91.79 | KRISHANAMURTHY | Residential |
| | | | | MADHUKUMAR | Residential |
| | | | | MANJULA | Residential |
| | | | | BASAVARAJ | Residential |
| | | | | DEVIYAMMA | Residential |
| | | | | S V SEAT COVERS | commercial |
| 45 | | | 115.62 | GURU MOTORS | commercial |
| 46 | | | 25.5 | AQUALIGHTS | commercial |
| | | | | A K S COOL CENTER | commercial |
| 47 | 79.97 | LAXMI ARTS | commercial | | |
| | | SRI SHAKTI GROUP | commercial | | |
| | | SUVRNA LOGISTIC | commercial | | |
| | | APPI | commercial | | |
| | | GURU ARTS | commercial | | |
| 48 | 68.75 | VENKATESH | Residential | | |
| | | BADARAM | Residential | | |
| 49 | ARP- KGC-2(1) | 69 | 111.92 | SILIKON MOTORS | commercial |
| | | | | FEMOUS ENGINEERING WORKS | commercial |

| Sl. No. | Property ID | Survey No. | Extent | Tenant Name | Type of impact |
|---------|-----------------------------|---------------------|--------|---|----------------|
| 50 | ARP- KGC-2(2) | 68/2 68/3 | 69.19 | SHOW INDIA FURNITURE | commercial |
| | | | 295.58 | | |
| | | | 115.84 | | |
| 51 | ARP- KGC-3 | 77/8 77/5B | 234.36 | FAMOUS CHIKEN CENTER | commercial |
| | | | | SIGMA TRENDS | commercial |
| | | | | RANGAPPA | commercial |
| 52 | ARP-PRR-1 | 3/1A2 | 17.73 | MANJUNATH | commercial |
| 53 | ARP-PRR-8/4 | 9/1. | 308.78 | PARVEZ | commercial |
| 54 | ARP-PRR-8/5 | 9/1. | 205.13 | Maryammala garaj | commercial |
| | | | | Tea stall | commercial |
| | | | | Puncture shop | commercial |
| 55 | ARP-PRR-8/7 | 9/1. | 179.01 | MANJUNATH | commercial |
| 56 | ARP-PRR-8/9 | 8/1,9/1. | 271.96 | HEMACHANDRA | commercial |
| 57 | ARP-PRR-8/10, ARP-PRR-8A | 6/1,7/1, 7/3,8/1 | 634.24 | INDIAN PETROL BUNK BALAKRISHNA | commercial |
| 58 | ARP-TRJ-1 | 63,39. | 900 | CHANDRU | commercial |
| | | | | ZOOMCAR | commercial |
| | | | | MUNIRAJU | commercial |
| 59 | ARP-TRJ-6 | 70 | 49.83 | INDIAN PETROL BUNK | commercial |
| 60 | ARP-CNS-4A | 68 | 160.22 | SRI SABHARI MSC SCRAPS | commercial |
| 61 | ARP -HRM –1 | 115/1c | 636.41 | SANDEEP CERAMICS | commercial |
| | | | | KALYANI MOTORS | commercial |
| 62 | ARP-HRM-2A | 115/1C, '114/1 | 342.79 | IN & OUT MARBLES | commercial |
| | | | | MILAN MARBLES | commercial |
| 63 | ARP-HRM-2B | 114/1 | 158.2 | STONE CENTRE | commercial |
| 64 | ARP -HRM –2C | 108/2 | 248.87 | MILAN MARBLES | commercial |
| | | | | STONE CENTRE | commercial |
| 65 | ARP -HRM –3A | 115/1b | 105.35 | INTIMATES TALES | commercial |
| | | | | BHAGIRATHI TRAINING AND MONITORING CENTRE | commercial |
| | | | | RADIANT CRAFT & DESIGNS | commercial |

| Sl. No. | Property ID | Survey No. | Extent | Tenant Name | Type of impact |
|---------|-------------|-----------------------|---------|--|----------------|
| 66 | ARP-HRM-3B | 115/1b | 74.65 | STONE WORLD | commercial |
| 67 | ARP-HBR-3A | 47/1 | 30.96 | AJFAN DATES & NUTS MOHAMAD KUTTI. N | commercial |
| | | | | SUN TECHNOLOGY | commercial |
| 68 | ARP-BTH-1 | 36 | 50.00 | Ganesh Motors (Dinesh) | commercial |
| | | | 10.00 | Tea Hotel (Shantappa) | commercial |
| | | | 10.00 | Sujatha Cranes | commercial |
| | | | 50.00 | Nursery/Pottery shop (Kamalesh) | commercial |
| | | | 60.00 | Wood Godown (Rizwan) | commercial |
| | | | 20.00 | Stone arts | commercial |
| | | | 10.00 | Tea Stall | commercial |
| 69 | ARP-BTH-4B | 37/1 | 43.34 | Burger King & EVS Suites Inn | Commercial |
| 70 | ARP-BTH-4C | 8 | 70.00 | Indian Petrol Bunk | Commercial |
| 71 | ARP-KGC-7 | 75 | 292.643 | | |
| | | | | | |
| | | | | Kavitha, | commercial |
| | | | | M. Gopal, | commercial |
| | | | | Gas agency (Jjyothi gas) | commercial |
| | | | | 2. Star Gas, stove Service | commercial |
| | | | | H.K.J.N. Auto Mobiles | commercial |
| | | | | H.K.G.N Power control | commercial |
| | | | | Aqua Life Aquarium | commercial |
| | | | | Venkob Chicken | commercial |
| | | | | Y.C. Narasimha murthy | commercial |
| | | | | Shree Maruthi Furniture | commercial |
| 72 | ARP-KGC-8 | 77, 77/8, 77/5B | | | commercial |
| 73 | ARP-PRR-1 | 3/1A2 | 448.04 | Ambiance Hotel | commercial |
| 74 | ARP-PRR-3A | | 33.86 | | commercial |
| 75 | ARP-PRR-3C | | 20.64 | | commercial |

| Sl. No. | Property ID | Survey No. | Extent | Tenant Name | Type of impact |
|---------|------------------|-----------------|---------|--|----------------|
| | | | | | |
| 76 | ARP-PRR-3D | 8/2 | 70 | Ravish Gowda | commercial |
| | | | | M.V. Shridhar | commercial |
| 77 | ARP-PRR-6D | 7/1 | 6.67 | M.S. Prabha Buiders | commercial |
| 78 | ARP-TRJ-1 | 63, 39 | 206.31 | Zoom Car | commercial |
| | | | | Bakery | commercial |
| 79 | ARP-TRJ-2 | 69 | 964.78 | Ramee Hotel Pvt. Ltd., | commercial |
| | | | | Anjali Geetha Shukla | commercial |
| 80 | ARP-TRJ-5 | 39 | 21.5 | I.T.C. Ltd., | commercial |
| 81 | ARP-BTH-1 | 36, 37/3, 33 | 1275.59 | 1. Ganesh Motors | commercial |
| | | | | 2. Sujatha Crane | commercial |
| | | | | 3. Constructing Building, Tree Godown | commercial |
| | | | | 4. Tea Stall | commercial |
| 82 | ARP-BTH-2 | 13/2, 3, 4 | 900 | N.R. Geetha | commercial |
| 83 | ARP-BTH-1, 3, 3A | 33/3 | 590.61 | Basamma | commercial |
| | | | | Home Dept. Gol | commercial |
| 84 | ARP-BTH-4A | 37/2 | 70 | A2B Hotel | commercial |

| Sl. No. | Property ID | Survey No. | Extent | Tenant Name | Type of impact |
|---------|-------------|------------|--------|-----------------------|----------------|
| | | | | E.V.S Shoots in Hotel | commercial |
| 85 | ARP-BTH-5 | 12/1 | 42.17 | Bandeppa Reddy | commercial |

Annexure - 3: Census Survey Schedules

Census Survey Schedule

Phase 2A & 2B, BMRCL

Census Survey Schedule

1. Name of respondent:

2. Address of Structure/ land / property:

.....

.....

3. Status of respondent: (Tick (✓) in the relevant)

| Owner | Tenant | Non – title holder | Others (Specify) |
|-------|--------|--------------------|------------------|
| | | | |

4. Identify type of Loss: (Tick (✓) the relevant one)

| | | |
|---|---|--|
| a | Owner losing land and residential structure totally (Only owner staying in the premises): | |
| b | Owner losing land and residential structure totally (Owner and tenant staying in the same building premises in separate parts): | |
| c | Owner losing land and residential structure partially but continues to remain in the balance portion of the same premises: | |
| d | Owner losing land and residential structure partially and willing to surrender the same completely to Project Authority: | |
| e | Owner losing land and commercial structure totally (owner operating own business in the acquired premises): | |
| f | Owner losing land and commercial structure partially but continues to run business in the same premises: | |
| g | Owner losing land and commercial structure partially and unwilling to continue in the same premises: | |
| h | Owner losing land and commercial structure, but structure fully rented out: | |
| i | Owner losing land and commercial structure partially, but structure fully rented out: | |
| j | Owner losing land and commercial structure fully, commercial activity being run by owner as well as tenant: | |
| k | Owner losing land and residential cum commercial structure (both totally): | |

| | | |
|---|---|--|
| l | Owner Losing only land: | |
| m | Tenant – Residential (if displaced): | |
| n | Tenant – Commercial* | |
| o | Tenant – Residential cum Commercial* | |
| p | Slum Dwellers | |
| q | Persons running business on public land without title excluding mobile vendors: | |
| r | Persons running business on public land without title excluding mobile vendors: | |
| s | Common Property resources: | |
| t | Any other impact not identified: Specify | |

5. For loss of land (owner):

- a. Khata No:
- b. Name of Owner:
- c. Extent of loss in sqm / sq. ft.:
- d. Total land in that particular survey No. in sqm / sq. ft.:
- e. Has compensation been paid yet: Yes ☐ No ☐

If No, specify the reason:

6. For loss of residential structure (owner):

- a. Khata No.:
- b. Name of Owner:
- c. Full loss/ Partial loss:
- d. Extent of loss in sqm / sq. ft.:
- e. Extent of remaining structure in sqm / sq. ft.:

f. If there is partial loss; Is the owner unwilling to continue

in the same premises? Yes ☐ No ☐

g. In case of partial loss; Is the premises usable? Yes ☐ No ☐

h. Has compensation been paid: Yes ☐ No ☐

If No, specify reason:

i. Type of construction: Pucca ☐ Semi pucca ☐ Kutchha ☐

j. No of floors:

k. No of units in affected, if relevant:

7. For loss of commercial structure (owner):

a. Khata No.:

b. Name of Owner:

c. Full loss/ Partial loss:

d. Extent of loss in sqm / sq. ft.:

e. Extent of remaining structure in sqm / sq. ft.:

f. If there is partial loss, is the owner unwilling to continue

in the same premises: Yes ☐ No ☐

g. In case of partial loss is the premises usable? : Yes ☐ No ☐

h. Has compensation been paid: Yes ☐ No ☐

If No, specify reason:

i. Type of business activity carried out:

j. If the building (with single owner) has multiple tenants, indicate how many tenants are there:
(fill a separate schedule for each of the Tenant)

k. What is the SGST paid: (Tick (✓) the relevant one)

I. Average payment of SGST up to Rs.5000 p.m.

II. Average payment of SGST between Rs.5001 to Rs.15,000 p.m.

III. Average payment of SGST above Rs.15001 p.m.

IV. No SGST documentation available

l. Type of construction: Pucca ☐ Semi pucca ☐ Kutchha ☐

m. No. of floors:

n. No. of units in affected if relevant:

8. Loss of any other unspecified commercial activities:a. Is the owner carrying out any dairy activities? Yes ☐ No ☐

If yes, Provide details below:

| Sl. No. | No. of Cow's/ any other animals | Income per Month (in Rs.) |
|---------|---------------------------------|---------------------------|
| 1 | | |
| 2 | | |
| 3 | | |

b. Please identify any other commercial activity, which will be impacted and is not carried in a conventional shop/ structure, report the income per month from the activity and provide details:

| Sl. No. | Activity Type | Income per Month (in Rs.) |
|---------|---------------|---------------------------|
| 1 | | |
| 2 | | |
| 3 | | |

9. Other Assets;

a. Are other assets getting impacted: Specify, boundary wall, fencing, well, frontage only, etc.:

.....

b. Identify the extent of loss:

c. Trees affected within Project Area:

| Sl. No. | Type of Tree | No. of Trees |
|---------|---------------------------|--------------|
| 1 | Fruit bearing trees | |
| 2 | Fodder Trees | |
| 3 | Fuel Wood | |
| 4 | Others (Specify) | |

10. Tenant

- a. Residential ☐ Commercial ☐ Residential cum Commercial ☐
- b. Name of occupant:
- c. Name of owner:
- d. Number of years in the premises:
- e. Type of business activity carried out:
- f. Extent of rental area acquired in sq.mt / sq. ft:
- g. Can you continue to live / carry out business after acquisition?
- h. What is the rent paid per month?
- i. If taken on lease, what is the lease amount?
- j. The lease is for how many years?
- k. As on the date of survey how many more years left of the lease period:
- l. For commercial tenant, what is the SGST paid: (Tick (✓) the relevant one)
- I. Average payment of SGST up to Rs.5000 p.m.
 - II. Average payment of SGST between Rs.5001 to Rs.15,000 p.m.
 - III. Average payment of SGST above Rs.15001 p.m.
 - IV. Without SGST documentation

11. Slum Dweller

- a. Name of the resident:
- b. Head of Household:
- c. Name of the slum:
- d. Any record to prove that the family has been residing there?

Electricity bill ☐ any document from Slum Clearance Board specify:

.....

12. Persons running business on public land without title

- a. Name of the person running the business:
- b. Type of activity:
- c. Type of structure in which the activity is carried out? Kiosk ☐ Temporary arrangement,
Specify:

Name of Investigator:

Date of Survey:

Signature of Investigator:

Signature of the Respondent:

BASELINE SOCIO-ECONOMIC SURVEY SCHEDULE**Respondent Details**

1. **Name of Respondent:**
2. **Address:**
3. **Survey Identification No:**
4. **BMRCL Identification No:**
5. **Structure Use (Refer Legend):**
6. **Current resident details**
 - 6.1 **Name of Current Resident:**
 - 6.2 **Status of Current Resident:**
 - 6.3 **Proof of residence: Tick the relevant ones.**
 - i. Electricity Bill
 - ii. Ration Card
 - iii. Election Card
 - iv. Aadhar-Card
 - v. Other(Specify
 - 6.4 **Native place of Current Resident:**
 - 6.5 **Mother Tongue:**
 - 6.6 **Religion:**
 - 6.7 **Caste: Specify : SC/ CT/ OBC/ General :**

7. Details of the Household (of the Owner or current Occupier)

| 7. Details of Household Members | | | | | | | | | | | |
|---------------------------------|----------|------------------------|------------|----------------|---------------------------|-----------------------|------------------------|-----------------------------|--------------------------------|---|---|
| S. No | 7.1 Name | *7.2 Reln to HoH | 7.3 Age | *7.4 Gender | *7.5 Marital status | *7.6 Educatio n | *7.7 Occupat ion | *7.8 a Monthly Income | *7.8 b Secondar y Income | *7.9 Distance from Work- Place (kms) | *7.10 Skill/Vocati onal Training |
| 1. | | | | | | | | | | | |
| 2. | | | | | | | | | | | |
| 3. | | | | | | | | | | | |
| 4. | | | | | | | | | | | |
| 5. | | | | | | | | | | | |
| 6. | | | | | | | | | | | |

8. Vulnerability

8.1 No. of members above 60 years:

8.2 Is the household headed by person above 60 years: Yes/No:

8.3. Is the Household headed by a disabled member: Yes/ No:

8.4 If Yes, specify disability:

8.5 Is the household BPL? Yes/ No: (Please check for BPL card as evidence):

8.6 If Yes: BPL Card no.

8.7 Is the house headed by a woman? Yes/ No:

8.8 If yes what is the status of the woman widowed/ single? :

9. Socio-economic data of household

| 9. Socio-economic Indicators | | | | | | | |
|-------------------------------------|--------|---|-----------------|--|--------------------|---------------------------|--------------------|
| *9.1.1 Type of Structure | | 9.2.1 Type of Toilet | Public/ Private | *9.3.1 Estimate of Monthly income (household level) | | 9.4.1 TV | Yes / No |
| *9.1.2 Use of Structure | | 9.2.2a Type of hospital used | Govt/ Private | *9.3.2 Estimate of Monthly Expenditure (household level) | | 9.4.2 Fridge | Yes / No |
| 9.1.3 Area (sq ft) | | *9.2.2b Distance to Hospital (km) | | 9.3.3a Bank Account (active) | Yes / No | *9.4.3 Vehicle Type | |
| 9.1.4 No. of Floors | | 9.2.2c Average monthly health expenditure | | 9.3.5 Aadhar No. | | 9.4.4 Land (city/village) | Yes / No |
| 9.1.5 No. of Rooms | | 9.2.3 Electricity | Yes / No | 9.3.6 Have you taken loan(s) | Yes/ No | 9.4.5 Computer/ Laptop | Yes / No |
| 9.1.6 Kitchen | Yes/No | *9.2.4 Water | | *9.3.7 Source of loan | | 9.4.6 Cooking Fuel | LPG/Kerosene/Other |
| *9.1.7 Structure Roof | | *9.2.5 Distance from bus stop | | 9.3.8 Purpose | Business/ Personal | | |
| *9.1.8 Structure Wall | | 9.2.6a Type of School | Govt/private | 9.3.9 Outstanding loan Amount | | | |
| *9.1.9 Structure Floor | | *9.2.6b Distance From school | | | | | |
| *9.1.10 Age of structure | | 9.2.7 Street Lights | Yes/No | | | | |

10. Gender

| 10. Gender | |
|--|--|
| 10.1 Is the household women headed? | |
| 10.1.1 If yes, What economic activity is she involved in : Specify | |
| 10.2 How many women members are working outside the home: | |
| 10.3 Distance travelled : Member 1: Member 2: Member 3: | |
| 10.4 Mode of Transport Used: Member 1: Member 2: Member 3: | |
| 10.5 Time taken to commute daily: Member 1: Member 2: Member 3: | |
| 10.6 Will the women members use the Metro: Member 1: Member 2: Member 3: | |
| 10.7 Are any women member carrying out any economic activity within the house: Specify the activity? | |

| | |
|--|--|
| <p>10.8 If the woman is working does she contribute to household expenses ,? If yes , what percentage of her salary. Under what heads does she contribute</p> <p>Household :</p> <p>Education :</p> <p>Medical :</p> <p>Others / specify :</p> | <p>.....%</p> <p>.....%</p> <p>.....%</p> <p>.....%</p> |
| <p>10.9 Is the woman included in decision making in the house? If yes specify for what aspects :</p> <p>Everything:</p> <p>Children's education:</p> <p>Savings :</p> <p>Household expenditures:</p> <p>Others / specify :</p> | <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> |

11. Memberships

| 11. Association Memberships | |
|--------------------------------|--|
| *11. Membership of Association | |

Legend (questions 1-8)

| 5. Use of Structure | 6.2 Status of current resident | 6.3 Proof of Residence | 6.5 Religion | 7.2 Relation to Head of Household | 7.4 Gender | 7.5 Marital status | 7.6 Education |
|---|--|--|--|--|---|--|---|
| 1. Residential 2. Commercial 3. R+C 4. Non Residential & Non Commercial (Production Unit) 5. Religious (Specify) 6. Community (Specify) 7. Common Property Resource 8. Other (Specify) | 1. Owner 2. Tenant (Renter) 3. Other (Specify) | 1. Electricity Bill 2. Ration Card 3. Election Card 4. Aadhar-Card 5. Other(Specify) | 1. Hindu 2. Muslim 3. Buddhist 4. Christian 5. Parsi 6. Jain 7. Other(Specify) | 1. Self 2. Spouse 3. Son/Daughter 4. Daughter-in-law / Son-in-Law 5. Parent 6. Grandparent 7. Grandchild 8. Sister/Brother 9. Other relative | 1. Male 2. Female 3. Trans-gender | 1. Married 2. Unmarried 3. Separated 4. Widow | 1. Illiterate 2. Primary 3. Secondary 4. Graduate 5. Post Graduate 6. Other(specify) |

| 7.7 Occupation | 7.8a Monthly Income 7.8b Secondary Income | 7.9 Distance from Work-Place (kms) | 7.10 Skill/Vocational Training | 8.4 Type of disability |
|--|---|---|---|--|
| 1. Private Company 2. Govt. Job 3. Housewife 4. Student 5. School Going age but not attending school 6. Unemployed 7. Self-employed 8. Other(Specify) | 1. Less than 2,000 2. 2,000-5,000 3. 5,000-10,000 4. 10,000-20,000 5. 20,000-30,000 6. 30,00-1,00,000 7. Above 1,00,000 | 1. Less than 1 km 2. 1-2 km 3. 2-5 km 4. 5-10 km 5. More than 10 km | 1. Electrician 2. Mechanic 3. Beautician 4. Carpenter 5. Mason 6. Potter 7. Tannery/Leather 8. Tailor 9. Craftsman 10. Driver 11. Other (specify) | 1. Locomotor 2. Vision 3. Hearing 4. Mental 5. Learning 6. Multiple |

Legend (question 9)

| 9.1.1 Type of Structure | 9.1.2 Use of Structure | 9.1.7 Structure Roof | 9.1.8 Structure Wall | 9.1.9 Structure Floor | 9.1.10 Age of Structure (years) | 9.2.2b Distance to Hospital 9.2.5 Distance from bus stop 9.2.6b Distance from school | 9.2.4 Water | 9.3.1 Estimate of Monthly Household Income 9.3.2 Estimate of Monthly Household Expense |
|--|---|---|--|--|--|--|--|---|
| 1. Permanent 2. Semi-permanent 3. Kutcha | 1. Shop 2. Workshop 3. Manufacturing Unit 4. Storage of Material 5. Other (Specify) | 1. Cement Concrete 2. Tin 3. Plastic 4. Wood 5. Bamboo 6. Thatched Roof 7. Asbestos | 1. Cement Concrete 2. Tin 3. Bricks 4. Plastic 5. Wood 6. Bamboo 7. Mud 8. Thatched | 1. Cement Concrete 2. Tiles 3. Mud | 1. Less than 2 2. 2 to 5 3. 5 to 10 4. More than 10 | 1. Less than 1 km 2. 1-2 km 3. 2-5 km 4. 5-10 km 5. More than 10 km | 1. Municipal 2. Pvt 3. Community water | 1. Less than 2,000 2. 2,000-5,000 3. 5,000-10,000 4. 10,000-20,000 5. 20,000-30,000 6. 30,00-1,00,000 7. Above 1,00,000 |

Legend (question 9)

| 9.3.7 Source of loan | 9.4.3 Vehicle Type | 11. Association Memberships |
|--|--|--|
| 1. Nationalised Bank 2. Private Bank 3. Credit Cooperative 4. SHG 5. MFI 6. Money Lender 7. Relatives/friends 8. Gold Loan 9. Other(Specify) | 1. Bicycle 2. Two-wheeler 3. Three-wheeler 4. Car (Personal) 5. Car (Taxi) 6. Tempo 7. Truck 8. Other (specify) | 1. NGO 2. Self-help group 3. Community based organization 4. Cooperative Housing Society 5. Others (specify) |

Annexure - 4: Photographs of Consultation Meeting**Jyotipuram Consultation Meeting 16.12.2019**

Kogilu Cross Consultation Meeting 28.02.2020



Sannappannahalli Meeting 13.06.2020



Benniganahalli 04.06.2019 & 18.06.2019



Kogilu Cross: 04.06.2019 & 18.06.2019

ಈ ದಿನ ದಿನಾಂಕ: 13-6-2020 ರಂದು ಎಂ. ಎನ್. ಶ್ರೀಧರಪ್ಪ
s/o ಎಂ. ಶ್ರೀಧರಪ್ಪ ಬಾಡು ಸುಬ್ಬರಾವ್ ಮುಖ್ಯವಸ್ಥರು ಸಿ.ಎಂ. 270-1
ಕುಟುಂಬ ಸಂಸ್ಥಾಪಕರ (ಹೆಂ) ಅ. ಸಂ. 36, 32, 33 ಸಹ
ಸಿ.ಎಂ. ವ್ಯವಸ್ಥಾಪಕರ ಬಾಡು ಸುಬ್ಬರಾವ್ ಮುಖ್ಯವಸ್ಥರು ಸಿ.ಎಂ.
ಬಾಡು ಮುಖ್ಯವಸ್ಥರು ಸಹ ಸಿ.ಎಂ. ಬಾಡು ಸುಬ್ಬರಾವ್ ಮುಖ್ಯವಸ್ಥರು ಸಿ.ಎಂ.
ಬಾಡು ಸುಬ್ಬರಾವ್ ಮುಖ್ಯವಸ್ಥರು :-

[illegible]

விடுவனம்
மேலாண்மை - சிவசுந்தரி
(காவல்நிலை - அங்க) கமிட்டி - குமாரசாமி
உதவி (இ.அ.ப.க.) - RIZIVAN
நாயக்கன் (பு.க.க.) - N. பிரபாகர்
பிரதிபதி (காவல்நிலை) - L. K. கிருஷ்ணன்
(காவல்நிலை)

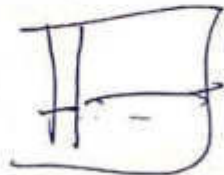
'Lij Sangari'
G.L.
(P. M. S. S.)
13/6/2020
Goswami

| | |
|----------------------------|----------------------------|
| 20. <u>Nenu</u> Ram Sanyam | no 9740167012 |
| 21. NAVA BEYUM. | 7411333418 |
| 22. శంకరాచార్య | 9148802153 |
| 23. Ratnamma | 9845954274 |
| 24. Shaji | 8971342283 |
| 25. Deebak Vighwakarma | 8197244992 |
| 26. Devendra Kumar | 9842 9845329861 |
| 27. Ram Shabadh | 9632601943 |
| 28. Devappa | 9845818609 |
| 29. Mitulesh Kumar | 8867792045 |
| 30. Nageshbabu. | 9916366633 |
| 31. Krishappa | 9916366635 |
| 32. Vinod | 9148538334 |
| 33. Arivand Kumar | 8892330620 |
| 34. Rameshwar Kumar | 7899396413 |
| 35. Arivappa | 9590971315 |
| 36. Dharmaraj Pal | 9148747397 |
| 37. Sofik Ansari | 9148094450 |
| 38. Hanumantha | 9741178402 |
| 39. Sabanna | 9900217503 |
| 40. Devappa | 9900187828 |
| | 9741855530 |

41. Sanku Kumar m. 9741538594
42. Ramlesh Prasad 9125661120
43. Rabindra Kumar 8861451429
44. Sunil Kumar 9740522074
45. MOHD. Istiyak Ahmed - 9845748769
46. ~~समीर~~
47. R. Radha 9741178402
48. ~~समीर~~ 7899342790
49. ~~मौजू~~ 9113675739
50. ~~समीर~~ 8453088807
51. nava 8123435915
52. wooty 7411333418
53. Geetha 990191470
54. Krishnappa 9945829144
55. meena 9148536337
56. V. Skandan 9108601904
57. Naveena Prasad 9663069213
58. Ajantha 7829144889
59. Vinod Kumar 8892330620
60. Savithri 8073570531
61. G. S. HANMURAM 9620833509



| | |
|-----------------------|--------------------------|
| 62. Shawitri | 8073570531 |
| 63. Jitendra | 9731571127 |
| 64. Ajanta | 7829144889 |
| 65. Gyan Prakash | 9916366635 |
| 66. Indrani | 9663069213 |
| 67. Loknath | 8861369148 |
| 68. Ramaya | 9632759933 |
| 69. Narasappa | 9845612823 |
| 70. Sagar | 7829554830 |
| 71. Krishappa | 94 9148536337 |
| 72. Suguna | 9945216330 |
| 72. Suguna | 7022567727 |
| 73. Rakesh Kumar m | 9901899998 |
| 74. Ilyas Ahmed. | 9844641563 |






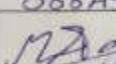
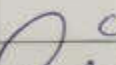
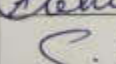
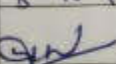
Public Consultation Meeting Attendance Sheet Kogilu Cross 28.02.2020

Attendance Sheet of Public Consultation Meeting

Project: Phase 2B BMRCL

Venue: Kogilu Cross, Airport Road

Date: 28.02.2020.

| Sl. No. | Name of the Participant | Signature |
|---------|-------------------------|--|
| 1 | Y.C. Venkatesh |  9845629015 |
| 2 | Pervathamma (K. Ramu) |  9845629015 |
| 3 | MUNI RAJA |  8904976949 |
| 4 | M. Ramana | 8088394929 |
| 5 | D.S. Raju (Gd) | 9845629015 |
| 6 | Govardhan | 7760588990 |
| 7 | Y.S. Moluth | 9900237979 |
| 8 | Bhargav | 916444443 |
| 9 | Asha. S.M. | 8310013792 |
| 10 | Chandrasekhar | 9845811592 |
| 11 | Chandrasekhar | 7996922542 |
| 12 | Chandrasekhar | 9845811592 |
| 13 | Val Bai. m. Patel | 8884522799 |
| 14 | Muni Raju. Y. I |  9972047433 |
| 15 | Ravi | 9740464556 |
| 16 | ABHISHEK B. |  9740464556 |
| 17 | SYED ABDUL SUBHAN |  9902138650 |
| 18 | B. N. Manjunath | B. N. Manjunath 9343729713 |
| 19 | yc Hem Raj |  9845249665 |
| 20 | | |

Annexure - 6: Grievance Received and Action Taken

| Sl. No. | Name of the applicant | Village | Sy. No. | Extent (in sq mtrs) | Grievance | Date and Action taken by BMRCL |
|---------|--|-----------------|--------------|---------------------|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 | |
| 1. | Syed Asad ahmed S/o syed ahmed | Bennigana halli | 44 | 150.55 | Requested to acquire full land & to provide wider service road while constructing metro. | As per request acquiring the additional land. |
| 2. | Farena ahmed W/o syed ahmed | | 44 | 144.64 | | |
| 3. | Kishore Gowda S/o N.Nanje Gowda | | 44 | 178.03 | | |
| 4. | Dr. Murali Narayana Reddy S/o H.M.Narayana Reddy | | 44 | 140.60 | | |
| 5. | Rakesh Kinger S/o O.p Kinger | | 44 43/1 | 137.31 | | |
| 6. | Vandana Kinger W/o Rakesh Kinger | | 43/1 | 133.10 | | |
| 7. | T.G.Ravindran S/o T.M.Gopal Kishnan | | 43/1 | 130.93 | | |
| 8. | N.Lakshmi W/o N.Shivanadam | | 43/1 | 33.95 | | |
| 9. | Anupama Ravikumar W/o Ravikumar | | 105/4, 105/5 | 131.06 | | |
| 10. | A.Sanjeeva Reddy S/o B.M.Ashwath Narayana Reddy | | 105/3, 105/4 | 241.76 | | |
| 11. | V.Munirathnam S/o M.Venkateshwara Swamy | | | | | |
| 12. | K.Vasantha W/o V.Munirathanam | | | | | |
| 13. | A.Fancis Javiour S/o Adaik kala swamy | | | | | |

| Sl. No. | Name of the applicant | Village | Sy. No. | Extent (in sq mtrs) | Grievance | Date and Action taken by BMRCL |
|---------|--|------------|---------------|---------------------|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 | |
| 14. | P.Venugopala Reddy | Banasavadi | 68 | 160.22 | Requested to Relocate the Busbay otherwise give proper access to the remaining property. | All possibilities in respect of relocating Busbay studied & found not feasible. However, required access to the property will be ensured while providing Busbay. |
| 15. | Venkateshwara Reddy R | Horamavu | 115/1C | 636.41 | Requested to shift the Horamavu metro station & drop the land acquisition process. | Horamavu Station is planned avoiding underpass, main road & difficulties in alignment curvature etc. Station & associated entry/exit structures etc are integrated accordingly. Hence, shifting is not feasible. Proper access will be ensured to balance portion of these properties while station construction. |
| 16. | Venkateshwara Reddy R | | 115/1C, 114/1 | 342.71 | | |
| 17. | Gopala Reddy, Naveen Kumar, Ganesh Reddy | | 115/1A 115/1B | 105.35 | | |
| 18. | 1. Babu Reddy, 2. B.Jayanth Reddy | | 115/1B11 5/1C | 74.65 | | |
| 19. | 1. Babu Reddy, 2. B.Jayanth Reddy | | | 106.11 | | |
| 20. | Gopala Reddy, Naveen Kumar, Ganesh Reddy | | 115/1B | 73.89 | | |
| 21. | Shalom Shelther LLP | Hennur | 47/2 | 361.18 | Land owner has requested for acquiring their full property. | This land is for Station entry/exit hence no need of extra land. |
| 22. | Jagadhamaba K N | | 47/1 | 30.96 | Requested to Relocate the Busbay otherwise give proper access to the remaining property. | All possibilities in respect of relocating Busbay studied & found not feasible. However, required access to the property will be ensured while providing Busbay |
| 23. | Kanayalal M Kathwani, Ranjith M Kathwani | | 55/3 | 7.21 | | |

| Sl. No. | Name of the applicant | Village | Sy. No. | Extent (in sq mtrs) | Grievance | Date and Action taken by BMRCL |
|---------|-------------------------------|----------|---------|---------------------|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | |
| 24. | Kousar S W/o Abdul Rehaman | Nagavara | 154/2 | 78.65 | Land owner has requested for acquire full property. | As per request acquiring the land. |
| 25. | M\s Aimil Ltd | | 88/1 | 29.59 | Owner requested for minimizing land acquisition/building demolition. | As per request minimize the Land Acquisition |
| 26. | M\s Aimil Ltd | | 88/1 | 23.04 | | |
| 27. | B.H. Narayanaswamy and Others | Hebbal | 44/ 2A | 803.22 | Requested to drop the Vikram Structures Pvt. Ltd. from the notification published U/s 28(4). Requested to provide access road to his back side property if acquisition is made. | Name of Vikram Structures Pvt. Ltd. is removed from the 28(4) notification. As per revised land plan, acquired area is minimized to 459.00 sq mtrs. |
| 28. | N.Ramachandra Reddy | Hebbal | 44/ 2B1 | 80.85 | Asking for access road for the property otherwise requesting to change the alignment | Required access to the property will be ensured while providing bus-bay. |
| 29. | Suresh Bhatia, Sunil Bhatia | Hebbal | 44/ 2B2 | 78.20 | Requested to cancel the land acquisition process for the property. | The area is essential for bus-bay purpose. |
| 30. | Prapulla Muniyappa | Hebbal | 44/ 3G | 17.73 | Asking for access road for the property otherwise requesting to change the alignment | Required access to the property will be ensured while providing bus-bay. |

| Sl. No. | Name of the applicant | Village | Sy. No. | Extent (in sq mtrs) | Grievance | Date and Action taken by BMRCL |
|---------|-------------------------------|-----------------|------------|---------------------|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | |
| 31. | Maruthi Suzuki Ltd. | Byatarayanapura | 5/1 | 139.36 | Requested to cancel the land acquisition process for the property. | Land required for establishment of pier with foundation supporting viaduct super-structure as per design. |
| 32. | Hanumappa and Others | Yelahanka | 70/2 | 907.14 | Requested to provide replacement of land against the acquiring land. | Replacement of land is not possible. |
| 33. | Gopal Reddy and Others | Yelahanka | 68/2, 68/3 | 410.00 | Asking compensation at Rs.14,000 per Sq ft or drop the land acquisition process | Compensation will be paid as per prevailing norms. |
| 34. | Y.N.Ramakrishna and Others | Yelahanka | 98/6 | 70.00 | M/s Triguna Projects Pvt. Ltd. Has requested to drop the acquisition proceedings | As per the revised land plan, the area is not required for the project. |
| 35. | Prakash E Patel, Hamsa E Pate | Yelahanka | 65 | 57.97 | Requested to provide details of land acquired. | Land required for establishment of pier with foundation supporting viaduct super-structure as per design. |
| 36. | Venkatappa | Yelahanka | 78 | 234.36 | Requested to cancel the land acquisition process for the property | Land is required for establishment of station entry/exit structures with a connectivity to main station established on NH-44 (Yelahanka Station) |
| 37. | Sathya Narayan Shetty | Venkatala | 8/1, 8/2 | 1581.23 | Requested to cancel the land acquisition process for the property | Land required for establishment of pier with foundation supporting viaduct super-structure as per design. |

| Sl. No. | Name of the applicant | Village | Sy. No. | Extent (in sq mtrs) | Grievance | Date and Action taken by BMRCL |
|---------|------------------------------------|------------|-----------|---------------------|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | |
| 38. | V.C.A. Builders & Developers | Venkatala | 8/2 | 2.25 | Requested to cancel the land acquisition process for the property | Land required for establishment of pier with foundation supporting viaduct super-structure as per design. |
| 39. | K.V. Vasantha | Venkatala | 3/1B2 | 351.96 | Requested to cancel the land acquisition process for the property | Land is required for establishment of station entry/exit structures with a connectivity to main station established on NH-44 (Bagalur Station) |
| 40. | M/s Prabha Builders and Developers | Venkatala | 7/2A, 7/1 | 240.00 | Requested to cancel the land acquisition process for the property | Land required for establishment of pier with foundation supporting viaduct super-structure as per design. |
| 41. | M.Venkataramaiah and Others | Venkatala | 7/2B | 43.19 | Requested to cancel the land acquisition process for the property | Land required for establishment of pier with foundation supporting viaduct super-42.structure as per design. |
| 42. | G.Shashikanth | Meenukunte | 63, 39 | 209.49 690.51 | Requested to cancel the land acquisition process for the property | Land is required for establishment of station entry/exit structures with a connectivity to main station established on NH-44 (Trumpet Station) |
| 43. | L.Laxmipathi | Meenukunte | 70 | 49.83 | Requested to cancel the land acquisition process for the property | Land required for establishment of pier with foundation supporting viaduct super-structure as per design. |
| 44. | Babu Reddy and Others | Horamavu | 115/1B | 6.00 | Requested to cancel the land acquisition process for the property | Land required for establishment of Electrical Utility Shifting as per Design. |
| 45. | Gopal Reddy and Others | Horamavu | 115/1A | 27.00 | Asking compensation of Rs.14,000/- per Sft or drop the land acquisition | Compensation will be paid as per prevailing norms. |

| Sl. No. | Name of the applicant | Village | Sy. No. | Extent (in sq mtrs) | Grievance | Date and Action taken by BMRCL |
|---------|-----------------------------|---------------------|-----------------|---------------------|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 | |
| 46. | Sparkle One Mall Developers | | 104/1 | 50.71 | Request to relocate the bus bay planned at Jakkur LHS side | As per Revised Land Plan, acquisition area is minimized. |
| 47. | Esteem Icon | Hebbal | 45/1 | 438.14 | Requested access road if acquired without affecting the setback approval taken by BDA. | Access road will be provided. |
| 48. | C.Gopalan | | 86/4,86/7, 86/8 | 619.20 | Requested to acquire the complete land which is coming under the alignment. | Land required for establishment of pier with foundation supporting viaduct super-structure as per design. |
| 49. | Batavia Developers | Yelahanka Amanikere | 12/1 | 70.00 | Requested to avoid and redesign the line without damaging the building. | As per the Revised Land Plan, acquisition area is minimized. |

Annexure - 7: Compensation and Rehabilitation Package 2019

Annexure to
Government Order No: UDD 91 PRJ 2019,
Dated:10-07-2019

Bangalore Metro Rail Project

Compensation and Resettlement Package (CRP) 2019
(applicable to Reach-6 of Phase-2 & Phase-2A & 2B)



Definitions

- a. **Business Loss Allowance:** This allowance is provided to offset the loss of livelihood/business compensation for a period of 10 months.
- b. **Business Premises Re-establishment Allowance (BPRA):** This is given to the persons losing their commercial establishment to re-establish their business. Common service areas like stair case, connecting corridors elevator, wash room, etc are excluded for calculation.
- c. **Consent Award:** Consent Award is based on mutually agreed valuation without any preconditions which includes market cost of the land and structure, 100% solatium and 12% per annum additional market value from the date of preliminary notification till taking of possession.
- d. **Cut-off date:** in the cases of land acquisition affecting legal titleholders and tenants, it is the date of notification under Section 28 (1) under the KIADB Act. For the non-titleholders the cut-off date will be the date of Survey.
- e. **Inconvenience Allowance:** This is onetime allowance paid to all project affected persons losing structure and land, for the inconvenience caused due to acquisition. The inconvenience is in terms of finding new gas connection, telephone connections, ration cards, new schools, collages, arranging conveyance including deposits for the same.
- f. **Normal Award:** Normal Award is the award for compensation for acquisition of land and structures prepared as per norms of the KIADA. It is adopted in case of non-consent of the offer regarding the valuation.
- g. **Owners/titleholders:** Are those who have legal title of land, structure and other assets.
- h. **Project Affected Person:** Any owner / tenant who resides or has economic interest within the area being acquired and who may be directly affected by the project due to loss of commercial or residential structures in whole or part and as a result of the project, and slum dwellers and persons running business on public land without title excluding mobile vendors.
- i. **Rental Income Allowance:** This allowance is paid to compensate for the rental income lost due to acquisition of structure being used for residential or commercial purposes. The allowance differs based on usage and area of the structure.



- j. **Shifting Allowance:** For all affected persons who have to shift, this allowance has been provided based on the area acquired. This amount is the transportation of belongings of the affected persons who have to shift. This amount differs for commercial and residential usage.
- k. **Slum Dwellers / Non-Title holders:** Slum Dwellers are those persons who have occupied government/public lands illegally for residential purpose for a period of minimum of 3 years prior to cut off date, in areas declared as slum under the provisions of Karnataka Slum Areas (improvement and clearance Act 1973) and non-title holders are persons running business on public land for a period of minimum of 3 years prior to cut off date excluding mobile vendors.
- l. **Transitional Allowance:** This is allowance paid on the basis of area acquired. This amount is to offset interim rental / rent deposit cost to the affected persons because of shifting. This is provided for those losing owned residential properties where shifting is required.

LEGAL FRAME WORK

Land Acquisition

1. The Land required for the metro project is being acquired under Karnataka Industrial Areas Development Act 1966 (KIADA). The Act facilitates development of industrial infrastructure, communication, transport, technology parks and townships. Under KIADA, land can be acquired for industrial area which includes infrastructure facilities and "Industrial infrastructure facilities" means "facilities which contribute to the development of industries established in industrial areas such as research and development, communication, transport, banking, marketing, technology parks and Townships for the purpose of establishing trade and tourism centres". The establishment of metro network helps in facilitating movement of professionals and workers of various industries in the city in efficient and sustainable manner.
2. As per provision of KIADA, the government notifies the lands required for metro project as industrial area for purpose of industrial infrastructural facility. Thereafter, preliminary notification conveying intention to acquire the land is issued inviting objections from land owners and interest persons. Their objections, if any, are heard and considered by the land acquisition officer in a formal enquiry, and thereafter final decision is taken by the government to acquire the land or otherwise including extent of the acquisition. Once a final notification for the acquisition is published, the land vests with the government.



The determination of the compensation and its payment follows vesting of the ownership in the government. The Act provides for speedy acquisition of land through consent awards, which is the preferred mode based on valuation offered by the land acquisition officer on advice of BMRCL and its free acceptance by the land owner. Through this process, the compensation amount is mutually agreed between the acquirer and the owner. In case of non-consent, normal award is passed as per provision of the Act.

Compensation

3. In all the cases land is proposed to be acquired through consent award and compensation is paid as per the following norms:

- a. Guideline Value or Market Value of land, whichever is higher, and market value of structures assessed by approved valuers;
- b. 100% solatium on (a) above;
- c. 12% per annum additional market value

If any land owner does not agree for consent award, normal award is passed under the norms of KIADA wherein 30% solatium is provided. In the case of normal award, the land owner can approach the court for enhancement of compensation.

Grievance Redress Committee

4. An efficient grievance redress mechanism is put in place to assist the PAPs and resolve their queries and complaints. The GRC addresses grievances relating to Rehabilitation issues both for title holders and non-title holders and also grievances relating to Community and Environmental issues. Issues relating to ownership rights and land compensation are dealt in civil courts.

Resettlement Action Plan Implementation Team

5. In order to implement and monitor RAP effectively, a Social and Environmental Management Unit (SEMU) has been constituted in BMRCL.

Monitoring and Evaluation

6. A robust monitoring and evaluation (M&E) mechanism is to be established to provide feedback to project management which will help keep the resettlement on schedule and make them successful.



RESETTLEMENT OF PROJECT AFFECTED PERSONS

7. **GUIDING PRINCIPLES:** Resettlement & Rehabilitation activities of BMRP will be governed by the following general principles.

- i. In general, land acquisition will be undertaken in such a way that no project affected person, with or without formal title, will be worse off after land acquisition;
- ii. BMRCL will pay compensation for land and structures it is acquiring based on the principles of full replacement cost.
- iii. All activities and procedures will be formally documented;
- iv. The property and inheritance rights of project affected persons will be respected;
- v. If the livelihood of the project affected persons without formal title depends on the public land that they are using, they will be assisted in their effort to improve their livelihoods and standard of living to restore them to pre-displacement levels;
- vi. If project affected person, without legal title, is not satisfied with the above decisions, they can approach the grievance redress committee;
- vii. In cases where land is needed on a temporary basis, project affected persons who have formal title will be compensated to the assessed fair rental price for the period during which the land is used and the land will be returned in the same condition or better as before it was rented;
- viii. If resettlement is unavoidable in addition to the payment of fair market value for all land and immovable property, project affected persons will be provided assistance in relocation and other related expenses (i.e. cost of moving, transportation, administrative costs etc.);
- ix. These rights do not extend to individuals who commence any activities after cutoff date of the project;
- x. The compensation and eligible resettlement and rehabilitation assistance will be paid prior to taking over of land and other assets for construction purposes;



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- viii. If resettlement is unavoidable in addition to the payment of fair market value for all land and immovable property, project affected persons will be provided assistance in relocation and other related expenses (i.e. cost of moving, transportation, administrative costs etc.);
- ix. These rights do not extend to individuals who commence any activities after cutoff date of the project;
- x. The compensation and eligible resettlement and rehabilitation assistance will be paid prior to taking over of land and other assets for construction purposes;



- xi. All project affected persons (private and public, individual and businesses) entitled to be compensated for land acquired; losses, structures or damages will be offered compensation and assistance in accordance with the provisions of this CRPF. Those who accept the compensation amount will be paid prior to taking possession of their land or assets. Those who do not accept it will have their grievance registered or referred to the Grievance Redress Committee (GRC)/courts as appropriate.
- xii. While acquiring land through KIADB no taxes / fee is payable by landowners. However, where BMRCL purchases the land directly in view of exigencies of the project, the stamp duty and registration charges will be paid by BMRCL.
- xiii. Wherever community assets are acquired, the same will be restored by BMRCL.

RESETTLEMENT AND REHABILITATION PROCESS

8. All attempts will be made during the final execution of the project to minimize the land acquisition, resettlement and adverse impacts on people in the project area through suitable engineering design. The assessments however reveal that the project involves minimal land acquisition.

ELIGIBILITY AND ENTITLEMENTS

9. The Compensation and Resettlement Package has been formulated based on the guiding principles followed by BMRCL for Phase 1 and Phase 2. The details of financial support for various categories of project affected persons are contained in the table below.

Table: Eligibility and Entitlement Matrix

| Compensation for Land and Structures | |
|---|---|
| 1 | Consent Awards (preferred mode): |
| | The compensation for land and structure in cases of consent awards shall be based on following norms. |
| | i. market value of land determined based on higher of: <ul style="list-style-type: none"> a. guidance value of land for registration of sale deeds as per Indian Stamp Act, and b. average sale price for similar type of land situated in the nearest area or village. |
| | ii. market value of buildings and structures on the land as assessed by approved valuers. |
| | iii. multiplication factor of 1 in urban area and 1.5 to 2 in rural area. |



| | iv. solatium @ 100% of market value with applicable multiplication factor. | |
|---|---|---|
| | v. additional market value @ 12% p.a. from date of notification to date of consent award. | |
| 2 | Normal Award: For cases other than consent awards, the compensation shall be determined as per provisions of Karnataka Industrial Area Development Act. | |
| Compensation and Resettlement Entitlement: | | |
| Sl. No | Category | Entitlement |
| I a. | Owner losing land and residential structure totally (Only owner staying in the premises) | 1. Consent Award based on mutually agreed market value of land and structures, Or Normal Award as per KIADA for land and structure; And 2. Shifting allowance: a. Upto 1000 sq. ft. – Rs.25,000 b. 1001 sq. ft. – 1500 sq. ft. – Rs.30,000 c. 1501 sq. ft. – Rs.35,000 3. Inconvenience Allowance: Onetime payment of Rs.70,000 4. Transitional Allowance: a. Upto 1000 sq. ft. – Rs.1,35,000 b. 1001 sq. ft. – 1500 sq. ft. – Rs.1,70,000 c. more than 1501 sq. ft. – Rs.2,05,000 5. Right to salvage material totally |
| I b. | Owner losing land and residential structure totally (owner and tenant staying in the same building premises in separate parts) | 1. Same as in I a.(1-5) And 2. Residential Rental Income Allowance in respect of rental area acquired a. Upto 1000 sq. ft. – Rs.1,35,000 b. 1001 sq. ft. – 1500 sq. ft. – Rs.1,70,000 c. more than 1501 sq. ft. – Rs.2,05,000 |
| I c. | Owner losing land and residential structure partially but continues to remain in the balance portion of the same premises | 1. Consent Award based on mutually agreed market value of land and structures, Or Normal Award as per KIADA for land and structure; And 2. Inconvenience Allowance Onetime payment of Rs.55,000 |



| | | |
|-------|--|---|
| I d. | Owner losing land and residential structure partially and willing to surrender the same completely to Project Authority. | <ol style="list-style-type: none"> 1. Owner has the option of offering the remaining part of the property to the Project Authority. (A separate notification will be issued for the remaining area). Acceptance of the offer is subject to discretion of the Project Authority based on consideration of possibility of putting the remaining land to economic use by the owner. 2. Entitlements will be the same as in Category I a. (1-5) or I b., as the case may be, for the area acquired including 1 above. |
| II a. | Owner losing land and commercial structure totally (owner operating own business in the acquired premises) | <ol style="list-style-type: none"> 1. Consent Award based on mutually agreed market value of land and structures, Or Normal Award as per KIADA for land and structure; And 2. Shifting Allowance: <ol style="list-style-type: none"> a. Upto 150 sq. ft. - Rs.25,000 b. 151 sq. ft. to 300 sq. ft. - Rs.35,000 c. more than 301 sq. ft. - Rs.45,000 3. Business Loss Allowance: <ol style="list-style-type: none"> a. Average payment of SGST upto Rs.5000 p.m. - Allowance Rs.85,000 b. Average payment of SGST between Rs.5001 to Rs.15,000 p.m. - Allowance Rs.1,70,000 c. Average payment of SGST above Rs.15001 p.m. - Allowance Rs. 2,25,000. d. If without SGST documentation - Allowance Rs.60,000 4. Business premises re-establishment allowance: Rs.540 per sq. ft. of area acquired. 5. Right to salvage material totally |
| II b. | Owner losing land and commercial structure partially but continues to run business in the same | <ol style="list-style-type: none"> 1. Consent Award based on mutually agreed market value of land and structures, Or Normal Award as per KIADA for land and structure; |



| | | |
|-------|---|--|
| | premises | <p>And</p> <p>2. Business Loss Allowance:</p> <p>a. Average payment of SGST upto Rs.5000 p.m. - Allowance Rs.40,000</p> <p>b. Average payment of SGST between Rs.5001 to Rs.15,000 p.m. - Allowance Rs.85,000</p> <p>c. Average payment of SGST above Rs.15001 p.m. - Allowance Rs.1,10,000.</p> <p>d. If without SGST documentation - Allowance Rs.30,000</p> <p>3. Right to salvage material</p> |
| II c. | Owner losing land and commercial structure partially and unwilling to continue in the same premises | <p>1. Owner has the option of offering the remaining part of the property to the Project Authority. (Separate notification will be given for the additional area). Acceptance of the offer is subject to discretion of the Project Authority based on consideration of possibility of putting the remaining land to economic use by the owner.</p> <p>2. Compensation and Entitlements will be the same as in Category II b.</p> |
| II d. | Owner losing land and commercial structure, but structure fully rented out | <p>1. Consent Award based on mutually agreed market value of land and structures, Or Normal Award as per KIADA for land and structure;</p> <p>And</p> <p>2. Commercial Rental Income Allowance</p> <p>a. Upto 1000 sq. ft. - Rs.2,70,000</p> <p>b. 1001 sq. ft. - 1500 sq. ft. - Rs.3,40,000</p> <p>c. more than 1501 sq. ft. - Rs.4,00,000</p> <p>3. Right to Salvage material</p> |
| II e. | Owner losing land and commercial structure partially, but structure fully rented out. | <p>1. Consent Award based on mutually agreed market value of land and structures, Or Normal Award as per KIADA for land and structure;</p> <p>And</p> <p>2. Commercial Rental Income Allowance, in respect of area acquired</p> <p>a. Upto 1000 sq. ft. - Rs.2,70,000</p> <p>b. 1001 sq. ft. - 1500 sq. ft. - Rs.3,40,000</p> |



| | | |
|-------|---|---|
| | | c. More than 1501 sq. ft. - Rs.4,00,000 . |
| | | 3. Right to Salvage material |
| II f. | Owner losing land and commercial structure fully, commercial activity being run by owner as well as tenant. | <p>1. Consent Award based on mutually agreed market value of land and structures, Or Normal Award as per KIADA for land and structure; And</p> <p>2. Shifting Allowance:</p> <p>a. Upto 150 sq. ft. - Rs.25,000 b. 151 sq. ft. to 300 sq. ft. - Rs.35,000 c. more than 301 sq. ft. - Rs.45,000</p> <p>3. Business Loss Allowance:</p> <p>a. Average payment of SGST upto Rs.5000 p.m. - Allowance Rs.85,000 b. Average payment of SGST between Rs.5001 to Rs.15,000 p.m. - Allowance Rs.1,70,000 c. Average payment of SGST above Rs.15001 p.m. - Allowance Rs. 2,25,000.</p> <p>d. If without SGST documentation - Allowance Rs.60,000</p> <p>4. Business premises re-establishment allowance; Rs.540 per sq. ft. of area acquired</p> <p>5. Commercial Rental Income Allowance</p> <p>a. Upto 1000 sq. ft. - Rs.2,70,000 b. 1001 sq. ft. - 1500 sq. ft. - Rs.3,40,000 c. more than 1501 sq. ft. - Rs.4,00,000</p> <p>6. Right to Salvage material</p> |
| III | Owner losing land and residential cum commercial structure (both totally) | <p>1. Consent Award based on mutually agreed market value of land and structures, Or Normal Award as per KIADA for land and structure; And</p> <p>2. Shifting Allowance:</p> <p>For commercial:</p> <p>a. Upto 150 sq. ft. - Rs.25,000 b. 151 sq. ft. to 300 sq. ft. - Rs.35,000 c. more than 301 sq. ft. - Rs.45,000</p> <p>For residential:</p> <p>a. Upto 1000 sq. ft. - Rs.25,000 b. 1001 sq. ft. to 1500 sq. ft. - Rs.30,000</p> |

| | | |
|----|-------------------------------------|--|
| | | <p>c. more than 1501 sq. ft. - Rs.35,000</p> <p>3. Inconvenience Allowance: Onetime payment of Rs.70,000</p> <p>4. Business Loss Allowance:</p> <p>a. Average payment of SGST upto Rs.5000 p.m. - Allowance Rs.85,000</p> <p>b. Average payment of SGST between Rs.5001 to Rs.15,000 p.m. - Allowance Rs.1,70,000</p> <p>c. Average payment of SGST above Rs.15001 p.m. - Allowance Rs. 2,25,000.</p> <p>d. If without SGST documentation - Allowance Rs.60,000</p> <p>5. Business premises re-establishment 540 per sq. ft. in respect of commercial portion only.</p> <p>5. Right to salvage material totally.</p> |
| IV | Owner Losing only land | <p>Consent Award based on mutually agreed market value of land and structures,</p> <p>or</p> <p>Normal Award as per KIADA for land and structure.</p> |
| V | Tenant - Residential (if displaced) | <p>1. Shifting allowance per tenant single / family tenants Rs.30,000</p> <p>2. Inconvenience Allowance</p> <p>a. Rs.70,000 per tenant family.</p> <p>b. Rs.35,000 for tenant single</p> |
| VI | Tenant - Commercial* | <p>1. Shifting allowance per tenant: Rs.35,000</p> <p>2. Business Loss Allowance:</p> <p>a. Average payment of SGST upto Rs.5000 p.m. - Allowance Rs.85,000</p> <p>b. Average payment of SGST between Rs.5001 to Rs.15,000 p.m. - Allowance Rs.1,70,000</p> <p>c. Average payment of SGST above Rs.15001 p.m. - Allowance Rs. 2,25,000.</p> <p>d. If without SGST documentation - Allowance Rs.60,000</p> <p>3. Business Premises Reestablishment Allowance per tenant: Rs.540 per sq. ft.</p> |



| | | |
|------|--|--|
| | | * Note: If not displaced, tenant will get BPRA only, and not the other allowances. |
| VII | Tenant - Residential cum Commercial* | <p>A. For residential:</p> <ol style="list-style-type: none"> 1. Shifting allowance per residential tenant Rs.30,000 2. Inconvenience Allowance: <ol style="list-style-type: none"> a. Rs.70,000 per tenant family b. Rs.35,000 for tenant single <p>B. For commercial:</p> <ol style="list-style-type: none"> 1. Shifting allowance per tenant Rs.35,000 2. Business Loss Allowance: <ol style="list-style-type: none"> a. Average payment of SGST upto Rs.5000 p.m. - Allowance Rs.85,000 b. Average payment of SGST between Rs.5001 to Rs.15,000 p.m. - Allowance Rs.1,70,000 c. Average payment of SGST above Rs.15001 p.m. - Allowance Rs. 2,25,000. d. If without SGST documentation - Allowance Rs.60,000 3. Business premises re-establishment per tenant: Rs.540 per sq. ft. <p>* Note: If not displaced, tenant will get BPRA only, and not the other allowances.</p> |
| VIII | Slum Dwellers | Slum Dwellers families residing in declared slums will get Rs.5,00,000/- as housing support grant. |
| IX | persons running business on public land without title excluding mobile vendors | Business Loss Allowance: Rs. 85,000 * |
| X | Common Property resources | Project authority will compensate / replace for affected portion of schools, hospitals, parks, religious structures, etc. |
| XI | Any other impact not identified | Unforeseen impacts shall be documented and mitigated based on the principles provided in this package. |

K. Nagesh 10/7/19
(K. Nagesh)

Under Secretary to Government (PMC)(I/c),
Urban Development Department.

Annexure - 8: Details of property of owners

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|---------------------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--------------------------------------|------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | BYP-3RD-3B-1 | Hindustan co-cola bivarages pvt ltd | 3/2 | Serial No 1362 Khata no 7,7/1,7/2,7/3 | 101.51 | | | | | | 101.51 | Residential(Main) &Mutation corridor | Building | part | commercial |
| 2 | BYP-3RD-3B-2 | Muniramayya, Siddareddy | 3/1 | - | 930.13 | | | | | | 930.13 | Residential(Main) &Mutation corridor | Building | part | residential/commercial |
| 3 | BYP-3RD-3B-3 | Indiramma and etc | 3/2 | - | 224.98 | | | | | | 224.98 | Residential(Main) &Mutation corridor | Building | part | residential |
| 4 | BYP-3RD-8H | S.Bhyarappa s/o Sonnappa | 105/5 | 3M-115 | 131.06 | BYP-3RD-8H | S.Bhyarappa s/o Sonnappa | 105/5 | 3M-115 | 240.03 | 371.09 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 5 | ARP-CNS-1A | MEEERA Ravindra w/o Dr/ M.S. Ravindra | 66/2 | 84-138-3M-403 | 371.61 | | | | | | 371.61 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 6 | ARP-CNS-1B | B.Ramesh Upadya s/o Lakshmi narayana upadya | 66/2 | 84-138-3M-405 | 371.61 | | | | | | 371.61 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--------------------------------------|------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 7 | ARP-CNS-4A | P.Venugopala reddy s/o L.Papayya reddy | 68 | 84-77-64 | 160.22 | ARP-CNS-4A | P.Venugopala reddy s/o | 68 | 84-77-64 | 33.21 | 193.43 | Residential(Main) &Mutation corridor | Building | full | commercial |
| 8 | ARP-CNS-4B | G.Munireddy s/o L.Guruvareddy | 68 | 84-132-6 | 19.78 | | | | | | 19.78 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 9 | ARP-HRM-3A | Gopala reddy Naveen kumar reddy Ganesh reddy | 115/1A | 88-364-11 | 105.35 | ARP-HRM-3A | Gopala reddy Naveen kumar reddy | 115/1A | 88-364-11 | 26.24 | 131.59 | Residential(Main) &Mutation corridor | Building | full | commercial |
| 10 | ARP-HRM-3B | R.Babu reddy B.Jayanth reddy | 115/1B | 88-364-29 | 74.65 | ARP-HRM-3B | R.Babu reddy B.Jayanth reddy | 115/1B | 88-364-29 | 7.15 | 81.80 | Residential(Main) &Mutation corridor | Building | full | commercial |
| 11 | ARP-HRM-4A | R.Babu reddy B.Jayanth reddy | 115/1B, 115/1C | 88-364-29 | 106.11 | ARP-HRM-4A | R.Babu reddy B.Jayanth reddy | 115/1B, 115/1C | 88-364-29 | 50.33 | 156.44 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 12 | ARP-HRM-4B | Gopala reddy Naveen kumar reddy Ganesh reddy | 115/1A, 115/1B | 84-364-11 | 73.89 | ARP-HRM-4B | Gopala reddy Naveen kumar reddy | 115/1A, 115/1B | 84-364-11 | 38.48 | 112.37 | Residential(Main) &Mutation corridor | Building | Building | commercial |
| 13 | ARP-HBR-2A | Shalom shelter L.L.P | 47/2 | 1458/531 | 361.18 | ARP-HBR-2A | Shalom shelter L.L.P | 47/2 | 1458/531 | 10.43 | 371.61 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---|------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 14 | ARP-HBR-3A | Jagadamba K.N | 47/1 | 1427/499 | 30.96 | ARP-HBR-3A | Jagadamba K.N | 47/1 | 1427/499 | 58.34 | 89.30 | Residential(Main) &Mutation corridor | Building | part | commercial |
| 15 | ARP-HBR-3B | Murthy | 47/155/3 | 1428/500 | 60.96 | ARP-HBR-3B | Murthy | 47/155/3 | 1428/500 | 10.90 | 71.86 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 16 | ARP-NGW-1 | Kousar s w/o Abdul rehaman | 154/2 | 167,154/2,155/1/1 | 78.65 | ARP-NGW-1 | Kousar s w/o Abdul rehaman | 154/2 | 167,154/2,155/1/1 | 20.26 | 98.91 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 17 | ARP-VRP-1 | R.M.Dhariwala | 87/386 | sl no:5/13 | 800.00 | | | | | | 800.00 | Industrial(Mixed) and Mutation corridor | vacant land | vacant land | Undeveloped land |
| 18 | ARP-VRP-2A | Manyatha promotors pvt ltd | 78/1 | sl no :52 | 9.96 | | | | | | 9.96 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 19 | ARP-VRP-2D | Kartar singh Lalwani s/o Thirath singh lalwani | 89/3 | 267/591/89/3 | 149.90 | | | | | | 149.90 | Industrial(Hi-Tech) and Mutation corridor | Building | full | residential |
| 20 | ARP-VRP-2E | Padmavathi dhareppa uppar w/o Dhareppa | 89/1189/12 | 624/89/H,89/6 | 92.59 | ARP-VRP-2E | Padmavathi dhareppa upparw/o Dhareppa yenkappa | 89/1189/12 | 624/89/H,89/6 | 11.14 | 103.73 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|-------------------------------------|------------------------------|------------------------|---|---------------------------|-------------------------------------|------------------------------|------------------------------------|---|------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | yenkappa uppar | | | | | uppar | | | | | | | | |
| 21 | ARP-VRP-3A | K.Ramesh | 88/1 | 88/1 | 182.54 | | | | | | 182.54 | Industrial(Hi-Tech) and Mutation corridor | Building | full | residential |
| 22 | ARP-VRP-3B | Asha R | 88/1 | Old pid no 628/8/1 | 127.49 | | | | | | 127.49 | Industrial(Hi-Tech) and Mutation corridor | Building | full | residential |
| 23 | ARP-VRP-4(2) | Dinesh R s/o Ramachandra | 88/1 | sl no:272/88/1 Old pid no:0188/1 | 19.94 | ARP-VRP-4(2) | Dinesh R s/o Ramachandra | 88/1 | sl no:272/88/1 Old pid no:0188/1 | 16.73 | 36.67 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 24 | ARP-VRP-5 | Manyatha promotors pvt ltd | 85/7 | sl no :52 | 70.00 | | | | | | 70.00 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 25 | BYP-3RD-7A | 1.Syed Asad Ahamed s/o Syed Ahamad 2.Fareena Ahamed w/o Syed Ahamed | 44 | 84-138-1ac-209 | 150.55 | BYP-3RD-7A | 1. Syed Asad Ahamed s/o Syed Ahamad 2. Fareena Ahamed | 44 | 84-138-1ac-209 | 243.20 | 393.75 | Residential(Main) &Mutation corridor | compound wall | compound wall | Undeveloped land |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|--|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--------------------------------------|------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | | w/o Syed Ahamed | | | | | | | | |
| 26 | BYP-3RD-7B | Kishore gouda s/o N.Nanjegouda | 44 | 84-138-1aac-212 | 144.64 | BYP-3RD-7B | Kishore gouda s/o N.Nanjegouda | 44 | 84-138-1aac- | 205.65 | 350.29 | Residential(Main) &Mutation corridor | compound wall | compound wall | Undeveloped land |
| 27 | BYP-3RD-8A | Dr Murali Narayana Reddy s/o H.M.Narayana Reddy | 44 | 84-138-3M-101 | 178.03 | BYP-3RD-8A | Dr Murali Narayana Reddy s/o H.M.Narayana Reddy | 44 | 84-138-3M-101 | 327.22 | 505.25 | Residential(Main) &Mutation corridor | Building | full | commercial |
| 28 | BYP-3RD-8B | 1.Rakesh Kinger s/o O.P.Kinger 2.Vandana Kinger w/o Rakesh Kinger | 44 | 84-138-3M-103 | 140.60 | BYP-3RD-8B | 1.Rakesh Kinger s/o O.P.Kinger 2.Vandana Kinger w/o Rakesh Kinger | 44 | 84-138-3M-103 | 230.49 | 371.09 | Residential(Main) &Mutation corridor | Building | full | commercial |
| 29 | BYP-3RD-8C | T.G.Ravindran s/o T.M.Gopala | 43/144 | 84-138-3M-105 | 137.31 | BYP-3RD-8C | T.G.Ravindran s/o T.M.Gopala | 43/144 | 84-138-3M-105 | 233.78 | 371.09 | Residential(Main) &Mutation | Building | full | commercial |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|---|---------------------------|----------------------------|------------------------------|------------------------------------|--|------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | krishnan | | | | | krishnan | | | | | corridor | | | |
| 30 | BYP-3RD-8D | N.Lakshmi s/o N.Shivanandam | 43/1 | 84-138-3M-107 | 133.10 | BYP-3RD-8D | N.Lakshmi s/o N.Shivanandam | 43/1 | 84-138-3M-107 | 237.99 | 371.09 | Residential(Main n) &Mutation corridor | compound wall | compound wall | Undeveloped land |
| 31 | BYP-3RD-8E | Anupama Ravikumar s/o Ravikumar | 43/1 | 84-138-3M-109 | 130.93 | BYP-3RD-8E | Anupama Ravikumar s/o | 43/1 | 84-138-3M-109 | 240.16 | 371.09 | Residential(Main n) &Mutation corridor | Building | full | commercial |
| 32 | BYP-3RD-8F | Ms Banu devalopers and others | 43/1 | 84-138-3M-111 | 131.06 | BYP-3RD-8F | Ms Banu devalopers and others | 43/1 | 84-138-3M-111 | 240.03 | 371.09 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 33 | BYP-3RD-8G | A.Sanjeevareddy s/o B.M.Aswathareddy | 43/1 | 84-138-3M-113 | 33.95 | BYP-3RD-8G | A.Sanjeevareddy s/o | 43/1 | 84-138-3M-113 | 4.97 | 38.92 | Residential(Main n) &Mutation corridor | Building | full | residential/commercial |
| 34 | BYP-3RD-8G | A.Sanjeevareddy s/o B.M.Aswathareddy | 106 | 84-138-3M-113 | 97.11 | BYP-3RD-8G | A.Sanjeevareddy s/o | 106 | 84-138-3M-113 | 235.06 | 332.17 | Residential(Main n) &Mutation corridor | Building | full | residential/commercial |
| 35 | BYP-3RD-8I | 1.V.Muniratnam s/o M.Venkatesh 2. K.Vasanth w/o V.Muniratnam | 105/4 105/5 | 84-138-3M-115 | 131.06 | BYP-3RD-8I | 1.V.Muniratnam s/o M.Venkatesh 2. K.Vasanth w/o V.Muniratnam | 105/4 105/5 | 84-138-3M-115 | 240.03 | 371.09 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--|------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 36 | BYP-3RD-8J | A.Francis jeviyar s/o Adaikalaswamy | 105/3 105/4 | 84-138-3M-119 | 241.76 | BYP-3RD-8J | A.Francis jeviyar s/o Adaikalaswamy | 105/3 105/4 | 84-138-3M-119 | 276.74 | 518.50 | Residential(Main n) &Mutation corridor | Building | full | commercial |
| 37 | BYP-3RD-7C | Param pal singh | 44 | 84-138-1ac-207 | 34.04 | | | | | | 34.04 | Residential(Main n) &Mutation corridor | compound wall | compound wall | Undeveloped land |
| 38 | BYP-3RD-7D | K.V.Balachandra | 44 | 84-138-1ac-210 | 107.04 | | | | | | 107.04 | Residential(Main n) &Mutation corridor | Building | part | residential |
| 39 | BYP-3RD-9 | Yeldo P.Vargase | 105/4 | 84-138-3M-121 | 25.11 | | | | | | 25.11 | Residential(Main n) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 40 | BYP-3RD-10 | Lakshmamma | 95 | 84-138-3M-125 | 46.51 | BYP-3RD-10 | Lakshammamma | 95 | 84-138-3M-125 | 292.58 | 339.09 | Residential(Main n) &Mutation corridor | Building | full | commercial |
| 41 | BYP-3RD-11 | B.N.Latha Manjula | 45 | 84-138-2M-102 | 48.61 | | | | | | 48.61 | Residential(Main n) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 42 | BYP-3RD-14 | S.R.Vijayakumar | 45 | 84-138-2M-108 | 20.89 | | | | | | 20.89 | Residential(Main n) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 43 | ARP-HRM-1 | Venkatesh Reddy.R | 115/1 C | 88-364-12 | 636.41 | | | | | | 636.41 | Residential(Main n) &Mutation | Building | part | commercial |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---|------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | | | | | | | corridor | | | |
| 44 | ARP-HRM-2A | Venkatesh Reddy.R | 115/1C 114/1 | 88-364-12 | 342.79 | ARP-HRM-2A | Venkatesh Reddy.R | 115/1C 114/1 | 88-364-12 | 32.18 | 374.97 | Residential(Main) &Mutation corridor | Building | full | commercial |
| 45 | ARP-HRM-2B | K.Jagannath Shetty | 114/1 | Khata No-230/5 | 158.20 | ARP-HRM-2B | K.Jagannath Shetty | 114/1 | Khata No-230/5 | 9.05 | 167.25 | Residential(Main) &Mutation corridor | Building | full | commercial |
| 46 | ARP-HRM-2C | Venkatesh Reddy.R | 108/2 | 88-364-29 | 248.87 | | | | | | 248.87 | Residential(Main) &Mutation corridor | Building | full | commercial |
| 47 | ARP-HBR-2B | C.Baskara | 47/1,4 7/2 55/3 | 1426/498 | 361.18 | ARP-HBR-2B | C.Baskara | 47/1,4 7/2 55/3 | 1426/498 | 10.43 | 371.61 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 48 | ARP-HBR-3C | Kanayalal M Khatwani Ranjeethkumar M. Khatwani | 55/3 | 1429/501 | 7.21 | | | | | | 7.21 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 49 | ARP-VRP-2B | Sharada | 86 87/3 | SI no :402, old:1709 | 923.15 | | | | | | 923.15 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 50 | ARP-VRP-2C | Ms Davalagiri Property Developers pvt ltd | 87/3 89/3 | Old Pid No:230/87/2A/87/3 | 963.99 | ARP-VRP-2C | Ms Davalagiri Property Developers pvt ltd | 87/3 89/3 | Old Pid No:230/87/2A/87/3 | 81.26 | 1045.25 | Industrial(Hi-Tech) and Mutation | Building | full | residential |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|------------------------------------|------------------------------|------------------------|--|---------------------------|------------------------------------|------------------------------|------------------------------------|---|------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | | | | | | | corridor | | | |
| 51 | ARP-VRP-3C | Ms Amil Limited | 88/1 | SI no :343, old pid No136/88/1 | 29.59 | | | | | | 29.59 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 52 | ARP-VRP-4(1) | Ms Amil Limited | 88/1 | SI no :343, old pid No136/88/1 | 23.04 | | | | | | 23.04 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 53 | ARP-VRP-4A(1) | Dinesh R | 88/1 | SI no :272/88/1, old pid No:0188/1 | 41.97 | ARP-VRP-4A(1) | Dinesh R | 88/1 | SI no :272/88/1, old pid No:0188/1 | 6.31 | 48.28 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 54 | ARP-VRP-4A(2) | L.Roopa and Others | 88/1 | No:639/456/001/88/1,2,3,4 | 10.16 | | | | | | 10.16 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|--------------------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---|------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 55 | ARP-VRP-5A | Manyatha promotors pvt ltd | 78/1 | Sl no :52, | 53.40 | | | | | | 53.40 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 56 | ARP-VRP-6 | Manyatha promotors pvt ltd | 78/1 | Sl no :52, | 70.00 | | | | | | 70.00 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 57 | ARP-VRP-7 | Jayameri s/o Anthoni Rao | 87/5 | | 94.44 | ARP-VRP-7 | Jayameri s/o Anthoni Rao | 87/5 | | 20.51 | 114.95 | Industrial(Mixed) and Mutation corridor | vacant land | vacant land | Undeveloped land |
| 58 | | R.M.Dhariwala | 88/5 | sl no :5/13 | 85.56 | | R.M.Dhariwala | 88/5 | sl no :5/13 | 12.67 | 98.23 | Industrial(Mixed) and Mutation corridor | vacant land | vacant land | Undeveloped land |
| 59 | ARP-VRP-ELC | Manyatha promotors pvt ltd | 78/1 | Sl no :52, | 30.00 | | | | | | 30.00 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 60 | ARP-HBL-3A ARP-HBL-3B | Ms// Kirloskar systems limited | 54/6 54/7 | 731/338/4 731/338/4 | 140.00 | | | | | | 140.00 | Industrial(Hi-Tech) and Mutation corridor | compound wall | compound wall | Undeveloped land |
| 61 | ARP-HBL-3 | Anju Ahuja and etc | 127 | 1,2,3,4,5&6 | 70.00 | | | | | | 70.00 | Residential(Main) &Mutation corridor | compound wall | compound wall | Undeveloped land |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|--|---|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--------------------------------------|------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 62 | ARP-HBL-1B | Ms// Shanth Industrial Enterprises | 110/2, 110/3, 111, 113, 114/1, 114/5, 114/4 | - | 2994.83 | | | | | | 2994.83 | Residential(Main) &Mutation corridor | vacant land | vacant land | Undeveloped land |
| 63 | ARP-HBL-1F | L.Radhakrishna s/o late H.Thimmayya | 80/3, 81 | 141/80/3P& 81P | 350.86 | | | | | | 350.86 | Residential(Main) &Mutation corridor | compound wall | compound wall | Undeveloped land |
| 64 | ARP-HBL-1G | M.Venkatesh | 81 | 141/80/3P& 81P/2 | 111.47 | | | | | | 111.47 | Residential(Main) &Mutation corridor | Building | full | commercial |
| 65 | ARP-HBL-1H | G.Sitharam s/o late ganganna S.Nandamma w/o G.Sitharam | 81 | 141/80/3 &81 | 105.00 | | | | | | 105.00 | Residential(Main) &Mutation corridor | Building | full | commercial |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---|---------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 66 | ARP-HBL-11 | H.S.Raju and others | 81 | - | 21.14 | | | | | | 21.14 | Residential(Main) & Mutation corridor | Building | part | commercial |
| 67 | ARP- KDH-5A | Praphulla Muniyappa | 44/3G | - | 17.73 | - | | | | | 17.73 | Industrial(Hi-Tech) and Mutation corridor | Compound Wall | part | Developed |
| 68 | ARP- KDH-5B | N. Ramachandra Reddy S/o. Nanjappa Reddy | 44/2B1 | - | 80.85 | - | | | | | 80.85 | Industrial(Hi-Tech) and Mutation corridor | Vacant land | part | Undeveloped & Non converted |
| 69 | ARP- KDH-5C | Suresh Bhatiya S/o. M.M. Bhatiya Sunil Bhatiya S/o. M.M. Bhatiya | 44/2B2 | - | 78.20 | - | | | | | 78.20 | Industrial(Hi-Tech) and Mutation corridor | Vacant land | part | Undeveloped |
| 70 | ARP- KDH-5D | B.H. Narayana Swamy S/o. Hanume Gowda | 44/2A | - | 459.58 | - | | | | | 459.58 | Industrial(Hi-Tech) and Mutation corridor | Commercial Building | part | Developed |
| 71 | ARP- KDH-1 | Smt. Rukminiyamma W/o. B.H. | | - | | - | | | | | | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|--|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---|---------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | Narayana Swamy Dr. B.N. Pavitra W/o. Maheshraj Gopal | | | | | | | | | | | | | |
| 72 | ARP- KDH- 3A | A.L. Muttayya R.M. Muttayya | 48/4 | - | 70.00 | - | | | | | 70.00 | Industrial(Hi-Tech) and Mutation corridor | Commercial Building | part | Developed |
| 73 | ARP- KDH- 3A | A.L. Annamalai M/s. RMZ Azure | | - | 70.00 | - | | | | | 70.00 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |
| 74 | ARP- KDH- 3B | | | - | 55.68 | - | | | | | 55.68 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |
| 75 | ARP- KDH- 3C | A.L. Muttayya | 48/4 | - | 70.00 | - | | | | | 70.00 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---|---------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 76 | ARP- KDH-3D | A.L. Annamalai M/s. RMZ Latitude | 48/4 | - | 70.00 | - | | | | | 70.00 | Industrial(Hi-Tech) and Mutation corridor | Commercial Building | part | Developed |
| 77 | ARP- KDH-3E | | 48/4 | - | 3.45 | - | | | | | 3.45 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |
| 78 | ARP- KDH-2A | | 48/4 | - | 21.09 | - | | | | | 21.09 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |
| 79 | ARP- KDH-2B | G. Paramashivaiah S/o. Lingappa | 48/1 | - | 36.98 | - | | | | | 36.98 | Industrial(Hi-Tech) and Mutation corridor | Commercial Building | part | Developed |
| 80 | | | 125/1 | - | 930.52 | - | | | | | 930.52 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |
| 81 | ARP- KDH-2C | M/s. Esteem Icon | 45/1 | - | 272.14 | - | | | | | 272.14 | Industrial(Hi-Tech) and Mutation corridor | Compound Wall | part | Developed |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|--|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---|---------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 82 | | | | - | 166.00 | - | | | | | 166.00 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |
| 83 | ARP- KDH- 2D | Smt. Velli Muttaiah W/o. Late. R.M. Muttaiah | 104 | - | 174.69 | - | | | | | 174.69 | Industrial(Hi-Tech) and Mutation corridor | Commercial Building | part | Developed |
| 84 | ARP- KDH- 4 | | 104 | - | 68.40 | - | | | | | 68.40 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |
| 85 | ARP- KDH- 4A | 1. B.M.Vijaya Kumar B.M. Prithviraj B.M. Chandrababha B.M. Murali | 106/7 | - | 64.40 | - | | | | | 64.40 | Industrial(Hi-Tech) and Mutation corridor | Commercial Building | part | Developed |
| 86 | ARP- KDH- (Ele) | | | - | 16.00 | - | | | | | 16.00 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---|------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 87 | ARP- KDH-4B | | 106/7 | - | 64.43 | - | | | | | 64.43 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |
| 88 | ARP- KDH-4C | | 106/7 | - | 56.09 | - | | | | | 56.09 | Industrial(Hi-Tech) and Mutation corridor | | part | Developed |
| 89 | ARP- JKR-2 | Sparkle One Mall Developers Private Limited | 103 | - | 393.8 | - | | | | | 393.8 | Industrial(General) and Mutation corridor | Compound Wall | part | Developed |
| 90 | | | 104/1 | - | 506.2 | - | | | | | 506.2 | Industrial(General) and Mutation corridor | | part | Developed |
| 91 | | | 102/2 102/3 104/1 | - | 116.96 | - | | | | | 116.96 | Industrial(General) and Mutation corridor | | part | Developed |
| 92 | ARP- JKR-1 | APMC | | - | | - | | | | | | Industrial(General) and Mutation corridor | Compound Wall | part | Developed |
| 93 | ARP- JKR-4B | Shell India Marketing Pvt Ltd | 8/1B2 | - | 44.31 | - | | | | | 44.31 | Industrial(General) and Mutation corridor | Compound wall | part | Developed |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---|------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | | | | | | | | | | |
| 94 | ARP- JKR-4A | 1. B.G. Shashikiran S/o. B.K. Gopalakrishna | 8/2C | - | 68.08 | - | | | | | 68.08 | Industrial(General) and Mutation corridor | Compound Wall | part | Undeveloped |
| 95 | ARP- JKR-4 | G. Manjunatha S/o. B.V. Gopalaiah | 8/2B | - | 70.00 | - | | | | | 70.00 | Industrial(General) and Mutation corridor | | part | Undeveloped |
| 96 | ARP- JKR-1A | . K. Gopala Reddy S/o. Doddappaiah | 8/2B | - | 70.00 | - | | | | | 70.00 | Industrial(General) and Mutation corridor | | part | Undeveloped |
| 97 | ARP- JKR-3D | M. Gopal S/o. y Muniswamappa | 6/4 | - | 21.90 | - | | | | | 21.90 | Industrial(General) and Mutation corridor | Vacant Land | part | Undeveloped |
| 98 | ARP- JKR-3C | | 6/4 | - | 50.48 | - | | | | | 50.48 | Industrial(General) and Mutation corridor | | part | Undeveloped |
| 99 | ARP- JKR-3B | | 5/1 | - | 50.56 | - | | | | | 50.56 | Industrial(General) and Mutation | | part | Undeveloped |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---|---------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | Maruthi Suzuki (India) Ltd | | | | | | | | | | corridor | Commercial Building | | |
| 100 | ARP- JKR- 3A | | 5/1 | - | 49.86 | - | | | | | 49.86 | Industrial(General) and Mutation corridor | | part | Undeveloped |
| 101 | ARP- JKR-3 | | 5/1 | - | 40.94 | - | | | | | 40.94 | Industrial(General) and Mutation corridor | | part | Undeveloped |
| 102 | | | 5/2A | - | 15.37 | - | | | | | 15.37 | Industrial(General) and Mutation corridor | | part | Undeveloped |
| 103 | ARP- KGC- 5A | Y.M. Rangaswamy S/o. Mallappa | 64 | - | 70.00 | - | | | | | 70.00 | Residential(Main) &Valley | Commercial Building | part | Developed |
| 104 | ARP- KGC- 5(1) | | 64 | - | 59.29 | - | | | | | 59.29 | Residential(Main) &Valley | | part | Developed |
| 105 | ARP- KGC- (Ele) | | 64 | - | 15.00 | - | | | | | 15.00 | Residential(Main) &Valley | | part | Developed |
| 106 | ARP- KGC- 5(2) | Prakash E Patel S/o. | 65 | - | 10.71 | - | | | | | 10.71 | Residential(Main) &Valley | Commercial Building | part | Developed |
| 107 | ARP- KGC- 1 | Eshwara Patel Hamsa E Patel | 65 | - | 47.06 | - | | | | | 47.06 | Residential(Main) &Valley | | part | Developed |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|--|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---------------------------------------|---------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | Bhagyavathi Sunita | | | | | | | | | | | | | |
| 108 | ARP- KGC-1(A) | N. Devarajiah | 66 | - | 198.68 | - | | | | | 198.68 | Residential(Main) & Valley | Commercial Building | part | Developed |
| 109 | ARP- KGC-1(B) | K Rajareddy | 67 | - | 187.03 | - | | | | | 187.03 | Residential(Main) & Valley | Vacant Land | part | Undeveloped |
| 110 | ARP- KGC-1(D) | Dayanand Pai | 67 | - | | - | | | | | | Residential(Main) & Valley | | part | Undeveloped |
| 111 | ARP- KGC-1(E) | Dayanand Pai Signatory Authority Manipal Academy of Higher Education | 68/1 | - | 60.51 | - | | | | | 60.51 | Residential(Main) & Valley | Vacant Land | part | Undeveloped & converted |
| 112 | | | 68/2 | - | 55.09 | - | | | | | 55.09 | Residential(Main) & Valley | | part | Undeveloped & converted |
| 113 | ARP- KGC-1(I) | Dayanand Pai Signatory Authority | 68/3 | - | 64.90 | - | | | | | 64.90 | Residential(Main) & Valley | | part | Undeveloped & converted |
| 114 | ARP- KGC-1(M) | Dayanand Pai Signatory Authority | 69 | - | 811.81 | - | | | | | 811.81 | Residential(Main) & Valley | | part | Undeveloped & converted |
| 115 | ARP- KGC-1(O) | P. Umapathy Raju S/o. Gopal Raju, | | - | | - | | | | | | Residential(Main) & Mutation corridor | | part | Undeveloped & converted |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|--|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---------------------------------------|------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 116 | ARP- KGC-1(P) | S.R. Vishwanath S/o. K.V. Ramaiah, | 70/1 70/3 70/4 | - | 721.12 | - | | | | | 721.12 | Residential(Main) & Mutation corridor | Vacant Land | part | Undeveloped & converted |
| 117 | | | | - | 246.21 | - | | | | | 246.21 | Residential(Main) & Mutation corridor | | part | Undeveloped & converted |
| 118 | ARP- KGC-1(Q) | Dayanand Pai Signatory Authority | | - | | - | | | | | | Residential(Main) & Mutation corridor | | part | Undeveloped & converted |
| 119 | ARP- KGC-1(R) | 1. Hanumappa S/o. Subbaiah | 70/2 | - | 907.14 | - | | | | | 907.14 | Residential(Main) & Mutation corridor | Vacant Land | part | Undeveloped & Nonconverted |
| 120 | ARP- KGC-1(S) | Dayanand Pai Signatory Authority Manipal Academy of Higher Education | 71 | - | 1089.95 | - | | | | | 1089.95 | Residential(Main) & Mutation corridor | | part | Undeveloped & converted |
| 121 | | | 72 | - | 1090.83 | - | | | | | 1090.83 | Residential(Main) & Mutation corridor | | part | Undeveloped & converted |
| 122 | ARP- KGC-1(T) | Dayanand Pai Signatory Authority | 73/1 | - | 1384.24 | - | | | | | 1384.24 | Residential(Main) & Mutation corridor | | part | Undeveloped & converted |
| 123 | ARP- KGC-1(U) | M. Govindappa S/o. Munivenkatappa | 73/2B | - | 126.33 | - | | | | | 126.33 | Residential(Main) & Mutation corridor | Vacant Land | part | Undeveloped |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---------------------------------------|---------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 124 | ARP- KGC-1(V) | Narayanappa S/o. Appaiah | 73/2A | - | 359.44 | - | | | | | 359.44 | Residential(Main) & Mutation corridor | Vacant Land | part | Undeveloped |
| 125 | ARP- KGC-1(X) | Y.C. Hemaraj S/o. Y.P. Chandrappa | 74/2 | - | 96.24 | - | | | | | 96.24 | Residential(Main) & Mutation corridor | Commercial Building | part | Developed |
| 126 | ARP- KGC-4 | Y.C. Hemaraj S/o. Y.P. Chandrappa | 37 | - | 117.88 | - | | | | | 117.88 | Residential(Main) & Mutation corridor | Commercial Building | part | Developed |
| 127 | | Y.V. Chandrappa S/o. Veeraswamappa | 87 | - | 129.48 | - | | | | | 129.48 | Residential(Main) & Mutation corridor | | part | Developed |
| 128 | | | 74 | - | 15.00 | - | | | | | 15.00 | Residential(Main) & Mutation corridor | | part | Developed |
| 129 | ARP- KGC-4(1) | C. Gopalan S/o. Late P.K. Phanikar | 86/4 | - | 339.08 | - | | | | | 339.08 | Residential(Main) & Mutation corridor | Commercial Building | part | Developed |
| 130 | ARP- KGC-4(E) | | 86/7 | - | 70.00 | - | | | | | 70.00 | Residential(Main) & Mutation corridor | | part | Developed |
| 131 | ARP- KGC-4(D) | C. Pramod S/o. Gopalan | | - | 70.00 | - | | | | | 70.00 | Residential(Main) & Mutation | | part | Developed |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--------------------------------------|---------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | 86/8 | | | | | | | | | corridor | | | |
| 132 | ARP- KGC-4(C) | | | - | 70.00 | - | | | | | 70.00 | Residential(Main) &Mutation corridor | | part | Developed |
| 133 | ARP- KGC-4(B) | | | - | 70.00 | - | | | | | 70.00 | Residential(Main) &Mutation corridor | | part | Developed |
| 134 | ARP- KGC-4(A) | Y.N. Ramakrishna Y.M.Gopal Y.M. Srinivas | 98/6 | - | 70.00 | - | | | | | 70.00 | Residential(Main) &Mutation corridor | Commercial Building | part | Developed |
| 135 | ARP- KGC-6(1) | Y.M. Ramamurthy S/o. Veerappa | 75 | - | 4.18 | - | | | | | 4.18 | Residential(mxed) &Mutation corridor | Commercial Building | part | Developed |
| 136 | ARP- KGC-6(2) | Latha V. W/o. K. Sativel | 75 | - | 11.95 | - | | | | | 11.95 | Residential(mxed) &Mutation corridor | Vacant Land | part | Undeveloped |
| 137 | ARP- KGC-6(4) | | | - | 28.00 | - | | | | | 28.00 | Residential(mxed) &Mutation corridor | | part | Undeveloped |
| 138 | ARP- KGC-6(3) | Parvathamma W/o. Late. Y.V. Chinnappa | 75 | - | 32.58 | - | | | | | 32.58 | Residential(mxed) &Mutation corridor | Commercial Building | part | Developed |
| 139 | ARP- KGC-6(5) | Girija W/o. Sampath | 75 | - | 26.90 | - | | | | | 26.90 | Residential(mxed) &Mutation corridor | Commercial Building | part | Developed |
| 140 | ARP- KGC-6(6) | Y.C. Venkatesh S/o. Y.V. Chinnappa | 75 | - | 24.40 | - | | | | | 24.40 | Residential(mxed) &Mutation corridor | Commercial Building | part | Developed |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 141 | ARP- KGC-6(7) | Vijayakrishna | 75 | - | 24.35 | - | | | | | 24.35 | Residential(mxed) &Mutation corridor | Vacant Land | part | Undeveloped |
| 142 | ARP- KGC-6(8) | Y.C. Narasimhamurthy S/o. Y.V. Chinnappa | 75 | - | 18.46 | - | | | | | 18.46 | Residential(mxed) &Mutation corridor | Vacant Land | part | Undeveloped |
| 143 | ARP- KGC-6(9) | Muniraj | 75 | - | 9.18 | - | | | | | 9.18 | Residential(mxed) &Mutation corridor | Vacant Land | part | Undeveloped |
| 144 | ARP- KGC-2 | Subbanna S/o. Late. Nanjundappa | 75 | - | 91.79 | - | | | | | 91.79 | Residential(mxed) &Mutation corridor | Residential & Commercial Building | full | Developed |
| | | Krishnamurthy S/o. Late. Nanjundappa | | - | 91.79 | - | | | | | 91.79 | Residential(mxed) &Mutation corridor | Residential & Commercial Building | full | Developed |
| | | Syed Murthooj Ameen, Ayisha Parveen | | - | 115.62 | - | | | | | 115.62 | Residential(mxed) &Mutation corridor | Commercial Building | full | Developed |
| | | Ammayamma, Rajanna | | - | 25.5 | - | | | | | 25.5 | Residential(mxed) &Mutation corridor | Commercial building | full | Developed |
| | | Y.G. Raju | | - | 79.97 | - | | | | | 79.97 | Residential(mxed) &Mutation corridor | Commercial Building | full | Developed |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--------------------------------------|----------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | Akkayamma W/o. Rajanna | | - | 16.32 | - | | | | | 16.32 | Residential(mxed) &Mutation corridor | Commercial Building | full | Developed |
| | | Kempamma W/o. Late Krishnappa | | - | 68.75 | - | | | | | 68.75 | Residential(mxed) &Mutation corridor | Residential Building | full | Developed |
| | | Subbanna Krishnamurthy Ammayamma | | - | 139.94 | - | | | | | 139.94 | Residential(mxed) &Mutation corridor | Vacant Land | full | Developed |
| 145 | ARP- KGC-2(1) | Valbai W/o. M.K. Patel | 69 | - | 111.92 | - | | | | | 111.92 | Residential(mxed) &Mutation corridor | Commercial Building | full | Developed |
| 146 | ARP- KGC-2(2) | V.V. Ramamurthy S/o. V.V. Venkataramana | 68/2 68/3 | - | 69.19 | - | | | | | 69.19 | Residential(mxed) &Mutation corridor | Commercial Building | full | Developed |
| 146 | | | | - | 295.58 | - | | | | | 295.58 | Residential(mxed) &Mutation corridor | | full | Developed |
| 146 | | | | - | 115.84 | - | | | | | 115.84 | Residential(mxed) &Mutation corridor | | full | Developed |
| 147 | ARP- KGC-3 | B.M. Susheelamma W/o. Late. V. Rangappa | 77/8 77/5B | - | 234.36 | - | | | | | 234.36 | Residential(mxed) &Mutation corridor | Commercial Building | part | Developed |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|------------------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---------------------------|-------------------------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 148 | ARP- KGC-5B | Parthasarathi, K.P. Surendra, | 12/1 | - | 103.57 | - | | | | | 103.57 | Residential(Main) &Valley | Vacant Land | part | Developed |
| 149 | ARP- KGC-5C | Vijaya prabha, Ujwala Deepa, | | - | 75.46 | - | | | | | 75.46 | Residential(Main) &Valley | | part | Developed |
| 150 | ARP-PRR-1 | K V Vasantha w/o G Nanjundappa | 3/1A2 | - | 17.73 | | | | | | 17.73 | Residential(Main) | Commercial building | part | Developed |
| 151 | ARP-PRR-2,-3A,-3B,-3C, | G Satyanarayana shetty s/o Giriyappa shrty | 8/1,8/2 | - | 1754.33 | | | | | | 1754.33 | Residential(Main) | Vacant land | part | Undeveloped and converted |
| 152 | ARP-PRR-3 | VCA Builders &Developers | 8/2. | - | 2.25 | | | | | | 2.25 | Residential(Main) | Vacant land | part | Undeveloped |
| 153 | ARP-PRR-4 | M/S Seeram enterprises | 3/2. | - | 76.38 | | | | | | 76.38 | Residential(Main) | Vacant land | part | Undeveloped |
| 154 | ARP-PRR-5 | M Venkataramaiah M V Sredhara M V Radhakrishna | 7/2b. | - | 43.19 | | | | | | 43.19 | Residential(Main) | Compound, res building, vacant land | part | Developed |
| 155 | ARP-PRR-6-6A | Laksmamma w/o Pachappa | 7/2b. | - | 140 | | | | | | 140 | Residential(Main) | Compound , vacant land | part | Undeveloped |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|------------------|--|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--|---------------------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 156 | ARP-PRR-6B-6C-6D | M/S Praabha builders & Developers | 7/2A. 7/1. | - | 210 | | | | | | 210 | Residential(Main) | Compound, vacant land | part | Undeveloped |
| 157 | ARP-PRR-7 | C V Rajalaksmi w/o VP Varama | 12/1. | - | 473.26 | | | | | | 473.26 | Agricultural | Compound, vacant land | part | Undeveloped and Non converted |
| 158 | ARP-PRR-8/1 | C Lalithashastri w/o CS Shastri P Muralimohanarao s/o P Vishvanath | 11/1. | - | 1018.83 | | | | | | 1018.83 | Agricultural | Vacant land | part | Undeveloped and Non converted |
| 159 | ARP-PRR-8/2 | Channaveeraiah, V sreenivasa reddy | 11,/1. | - | 320.8 | | | | | | 320.8 | Agricultural | Vacant land | part | Undeveloped and Non converted |
| 160 | ARP-PRR-8/3 | Janganmamata | 11/1. | - | 131.91 | | | | | | 131.91 | Agricultural but assessed as Residential | Compound, Building | part | Developed |
| 161 | ARP-PRR-8/4 | H R Hemachandra | 9/1. | - | 308.78 | | | | | | 308.78 | Agricultural but assessed as Residential | Commercial building | full | Developed |
| 162 | ARP-PRR-8/5 | G Raja late s/o govindaswamy | 9/1. | - | 205.13 | | | | | | 205.13 | Agricultural but assessed as Residential | Commercial building | part | Developed |
| 163 | ARP-PRR-8/6 | Hara KHT Enterprises pvt ltd | 9/1. | - | 156.24 | | | | | | 156.24 | Agricultural | Compound, building, vacant land | part | Undeveloped and Non converted |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|--------------------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--|-------------------------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 164 | ARP-PRR-8/7 | J Uma w/o S Srinivas | 9/1. | - | 179.01 | | | | | | 179.01 | Agricultural but assessed as Residential | Commercial building | part | Developed |
| 165 | ARP-PRR-8/8 | Umesh K s/o karigowda Nivedita Rajiv | 8/1. | - | 119.46 | | | | | | 119.46 | Agricultural | Compound ,vacant land | part | Undeveloped and Non converted |
| 166 | ARP-PRR-8/9 | BN Sunanda w/o bsn hari | 8/1,9/1 | - | 271.96 | | | | | | 271.96 | Agricultural but assessed as Residential | Commercial building | part | Developed |
| 167 | ARP-PRR-8/10, ARP-PRR-8A | Janganmamata | 6/1,7/1,7/3, 8/1 | - | 634.24 | | | | | | 634.24 | Agricultural but assessed as Residential | Commercial Petrol Bunk, Vacant land | part | Developed |
| 168 | ARP-TRJ-1 | Shashikanth s/o Gangappa | 63,39. | - | 900 | | | | | | 900 | Industrial(BIAA PA) | Compound, building, vacant land | part | Undeveloped and converted |
| 169 | ARP-TRJ-2 | Ramee hotel pvt ltd | 68,69, 70 | - | 1164.69 | | | | | | 1164.69 | Commercial(BIA APA) | Compound, Vacant land | part | Undeveloped and converted |
| 170 | ARP-TRJ-3 -3A -3B | S Vishnushankar a sukla Anjali geetha sukla | 68 | - | 280 | | | | | | 280 | Commercial(BIA APA) | Compound, Vacant land | part | Undeveloped |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|--------------------|--|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|----------------------------|---------------------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 171 | ARP-TRJ-6 | K Lakshmipathi s/o krishnappa | 70 | - | 49.83 | | | | | | 49.83 | Commercial(BIAAPA) | Commercial Petrol Bunk | part | Developed |
| 172 | ARP-TRJ-6A-6B | Renuka manjnani w/o Dr.Mohan manjnani | 70,189 | - | 140 | | | | | | 140 | Commercial(BIAAPA) | Compound, Vacant land | part | Undeveloped |
| 173 | ARP-TRJ-6C-7-(ELE) | Prestige garden resort pvt ltd | 186,189,79 (new112) | - | 2055.37 | | | | | | 2055.37 | Public&Semi-Public(BIAAPA) | Compound, building, vacant land | part | Developed |
| 174 | ARP-TRJ-8 | OL Prabhu so OM Lingappa | 79(new117/3) | - | 32.76 | | | | | | 32.76 | Public&Semi-Public | Compound, Vacant land | part | Undeveloped |
| 175 | ARP-TRJ-9 | Kalpana Palegar s/o OM Lingappa OL Rajendra s/o OM Lingappa OL Guruprasad s/oOM Lingappa Ajay Rajendra s/o OL.Rajendra Ashwin Rajendra OL Rajendra | 79(new117/1,116) | - | 7186.94 | | | | | | 7186.94 | Public&Semi-Public | Compound, Shed Vacant land | part | Undeveloped and converted |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-------------------|--|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|--------------------|--------------------------|--------------------------------------|--|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial / undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 176 | ARP-TRJ-10, Depot | Govt Gomala RN Ashwatha Narayana N Ramamurthy Guttappa and Others | 78. 79. | - | 95443.3 | | | | | | 95443.3 | Public&Semi-Public | Fencing , Vacant land | part | Undeveloped and Non converted |
| 177 | ARP-TRJ-10 | MR Sampangi Ramaiah MR Janakiram MR Prabhavathi MR Padmavath,MR Raghuram | 37 | - | 35169.8 | | | | | | 35169.78 | Residential | Water Tanks, Vacant land | part | Undeveloped and converted |
| 178 | ARP-BTH-1 | MS Ashwath Narayana | 36 | - | 1275.59 | | | | | | 1275.59 | Residential | Commercial shops | part | Undeveloped and non |
| 179 | ARP-BTh- 1 | Mohnin Sharief | 33/1; 33/2 | - | 210.05 | | | | | | 210.05 | Residential | Vacant land | part | Undeveloped |
| 180 | ARP- BTH 2 | NR Geetha N Ravindra DP Keshava Reddy, Ministry of | 13/2 - 3-4 | - | 900 | | | | | | 900 | Residential | Vacant land | part | Undeveloped |
| 181 | ARP- BTH-1, 3, 3A | Basamma | 33/3 | - | 590.61 | | | | | | 590.61 | Residential | Vacant Land | part | Undeveloped |

| BANGALORE METRO RAIL CORPORATION LIMITED as on 28/05/2020 | | | | | | | | | | | | | | | |
|---|-----------------|---|---------------------------|----------------------------|------------------------------|------------------------|--|---------------------------|----------------------------|------------------------------|------------------------------------|---------------------|------------------|--------------------------------------|---|
| First acquisition | | | | | | Additional acquisition | | | | | Total Extent Acquired (in Sq.mtrs) | Land use category | | | Residential /commercial /undeveloped land |
| Sl. No | Property ID No. | Name of the Property Owner as per 28(4) Notifications | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | Property ID No. | Name of the Property Owner as per 28(4) Notification | Property No. City Sy. No. | BBMP Katha No./ Survey No. | Extent Acquired (in Sq.mtrs) | | | Building details | Building acquisition type part/fully | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 182 | ARP-BTH-4 | SM ramesh | 37-3 | — | 45.09 | | | | | | 45.09 | Commercial(BIAAPA) | Vacant Land | part | Developed and non |
| 183 | ARP-BTH-4A | SM Chandrashekara | 33-2 | — | 70 | | | | | | 70 | Commercial(BIAAPA) | Vacant Land | part | Developed and non converted |
| 184 | ARP-BTH-4B | SM Vevugopal | 37-1 | — | 43.34 | | | | | | 43.34 | Commercial(BIAAPA) | Vacant Land | part | Developed and non |
| 185 | ARP-BTH-4C | Nagamma | 8 | — | 70 | | | | | | 70 | residential | Vacant Land | part | Undeveloped and Non converted |
| 186 | ARP-BTH-5 | Bandeppa Reddy | 12-Jan | — | 42.17 | | | | | | 42.17 | Residential | Vacant Land | part | Undeveloped and Non |
| 187 | ARP-BTH-3C&3D | Meghana Prasad Deshpande | 172 | — | 115.7 | | | | | | 115.7 | Commercial(BIAAPA) | Vacant Land | part | Developed and converted |

Annexure 9: Environmental Management Plan Matrix

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---|-----------------------------------|---|--|---|--|---|---|-----------------------------------|
| | | | | | indicators | Method | implementation | Supervision |
| Pre-Construction Phase (Planning and design): | | | | | | | | |
| 1 | Land Acquisition and resettlement | Social - Land is being acquired at all the Metro Stations along the Metro alignment. Total land to be acquired is 18490 Sqm (Government land – 7075 Sqm and Private land – 11414 Sqm) and total of 31 properties. | <ul style="list-style-type: none">Land Acquisition will be carried out as per the provision of Govt. of India and ADB policies.The acquisition of land and private properties will be done in accordance with Resettlement Plan and Entitlement Framework for the Project in line with the KIAD (Karnataka Industrial Areas Development) Act 1966 and Amendments. | The areas with additional land acquisition is proposed for the project. | Number of households and individuals affected. | Review of relevant documents, entitlement matrix and amount paid. | Land Acquisition Team, BMRCL through Revenue department of the state. | BMRCL, Karnataka State Government |
| 2 | | Land use change - Change in land use is expected at station locations where the land is being acquired. | The change in land use is insignificant as the proposed metro alignment is following the median of Outer Ring Road and most of | Throughout the project alignment and station areas. | Area of land acquired for the project. | Review of records on permission received from authorities. | Land Acquisition Team, BMRCL with District Administration | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|--|--|---|---|--|--|---|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | The insignificant impacts on land use change are limited to a few of proposed metro stations. | <p>the metro stations are proposed on vacant land without much impact on the existing structures.</p> <p>The Bengaluru Comprehensive Development Plan (CDP) and Bengaluru Revised Master Plan (RMP) 2031 both account for proposal of Phase 2A by BMRCL. Proper permissions will be ensured from competent authorities before construction.</p> | | | | and State Authority | |
| 3 | Clearance of Encroachments / Squatters (Compulsory resettlement) | Social - There are 46 owners and 62 tenants within the Corridor of Impact (Col) along the proposed metro alignment and metro stations of Phase 2A. | <p>Advance notice, as per Resettlement Plan will be given to the encroachers and squatters present within in the Corridor of Impact, and they will be given the financial assistance as relocation allowances.</p> <p>R & R activities shall be undertaken as per BMRCLs Entitlement Framework and</p> | Throughout the project alignment and station areas. | Area of land acquired for the project. | Review of records on permission received from authorities. | Land Acquisition Team, BMRCL with District Administration and state authority | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|--------------|--|---|------------------------------|---|---|--|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | completed before construction starts. | | | | | |
| 4 | Tree Cutting | <p>Ecology – The likely number of trees affected due to Contract Package P1 metro line is enumerated to be total of 343 trees. Out of total trees enumerated, 207 trees are planned to be trans-located depending on the tree species, girth and health of the trees. Hence 136 trees are getting affected.</p> <p>The trees are located on the median of proposed route along the outer ring road impacting the ecology in the project vicinity. In addition to tree cutting, pruning of branches will be required at some locations.</p> | <p>The Environmental Specialist of DE and the Contractor shall carry out joint field verification to ascertain the possibilities of saving trees and trees to be removed shall be marked with paint.</p> <p>Contractor, under any circumstances shall not cut or damage trees unnecessarily. Trees identified under the project shall be cut only after receiving clearance from State Forest Department and after receipt of BMRCL's written permission.</p> <p>Transplantation of trees shall be taken up on priority suiting to the tree species, age, size, and</p> | Throughout project corridor. | <p>ROW width</p> <p>Number of trees to cut</p> <p>Compensatory plantation plan</p> <p>Number of trees replanted</p> | <p>Review of relevant documents – tree cutting permit, compensatory plantation plan</p> <p>Field observations</p> | <p>Relevant agency/Forest Department</p> <p>Specialized in afforestation</p> | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|---|---|---|---|---|--|-------------------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>health condition of the tree.</p> <p>Compensatory plantation shall be taken up at the rate of 10 trees for each tree being felled. Compensatory plantation taken up will be monitored regularly for their survival. Vegetation with girth size of over 30 cm shall only be considered as trees and shall be compensated.</p> <p>The tree saplings which do not survive during the first year after replanting will be compensated immediately.</p> | | | | | |
| 5 | Relocation of Utilities and Common Property Resources | Social - The proposed metro line interferes with community utilities like water pipes, sewers, OFCs, telephone wires. Skywalks, etc. throughout the corridor. This will create nuisance | Permission from all concerned departments and BBMP should be sought before commencement of utility shifting works. | Throughout the project alignment and station areas. | Area of land acquired and required for working space for the project. | Review of records on permission received from authorities. | Agency engaged by BMRCL | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|--|---|--|------------------------------------|-----------------------------|-------------------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | to public and the commuters. | <p>All community utilities i.e. water supply lines, sewer lines, electrical lines, telephone and OFC cables shall be planned and relocated suitably before the start of construction works.</p> <p>The Contractor will install signage consisting of information signs, construction signs and traffic signs 15 days before initiation of shifting works.</p> | | | | | |
| 6 | | Traffic flow – During relocation activities regular traffic flow will be impacted. | <p>Permission from traffic police should be sought before commencement of utility shifting works.</p> <p>Traffic diversion plans shall be prepared, and detours should be properly planned and enacted during non-peak hours, if possible.</p> <p>Traffic marshals should be posted near such detours. Proper signage</p> | Traffic diversions and intersections locations | Approval from competent authority. | Checking of documentation . | Agency engaged by BMRCL | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|---|--|-------------------------------------|--|-----------------------------|-------------------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | has to be posted informing motorists about detours to avoid congestion. | | | | | |
| 7 | | Air – Dust will be generated during utility shifting activities and pollutes the air. | <p>Traffic shall be diverted away from the utility shifting sites to avoid re-suspension of dust from the road surface.</p> <p>Dust suppression methods like water spraying shall be adopted during utility shifting to encapsulate the dust.</p> | | | | | |
| 8 | | Safety – Workers and public will be exposed to safety threat such as excavation related safety hazards such as falls into trenches or excavations; tripping over equipment, debris and spoil; exposure to underground services, electrocution, etc. | <p>Barricades of at least 2 m height will be installed to mark the boundary of the areas where public utilities are to be relocated.</p> <p>Workers shall be provided with appropriate PPEs and ensure to operate equipment in a safe manner during shifting works</p> | At locations of utilities shifting. | Approval from competent authority and site observations. | Checking of documentation . | Agency engaged by BMRCL | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|--------|--|----------|------------|--------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>Utility shifting shall be coordinated such that information on utilities' locations is obtained before digging.</p> <p>Concerned departments shall be requested either to shift their utilities or to strictly supervise the shifting works to avoid any unforeseen safety hazards.</p> <p>Vehicles used for transporting utility equipment will be tied firmly and covered with tarpaulin to prevent them from falling onto the road surface. Vehicle speeds shall not exceed 30 km/hour in construction areas.</p> <p>Restoration of road surface, footpaths, signboards that are damaged during relocation of public</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|---|---|--|---|--------------------------------|---|--|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>utilities immediately to the original conditions.</p> <p>The Contractor shall abide by the terms and conditions stipulated in Condition of Contract of Safety, Health & Environment Manual.</p> | | | | | |
| 9 | Relocation of affected Cultural, Religious and demolition of private properties | <p>Social – There is no major impact on the cultural and religious structures from the proposed metro alignments and 4 metro stations.</p> <p>However, there will be impact on 31 properties mostly at the proposed metro stations at Ibbalur Metro Station, Ibbalur Junction, Bellandur Metro Station, Kaadubeesanahalli Metro Station, along the alignment.</p> | <p>Impact on any cultural and religious structure, if any will be relocated suitable location in consultation with public. Access to the religious centers in the vicinity of proposed construction zone shall be ensured by planning in advance. Public shall be consulted to inform such impact and address suitably in consensus with to mitigate adverse impacts.</p> <p>Owners of private buildings shall be compensated in line with Entitlement Matrix and KIADB Act, 1966.</p> | The areas with additional land acquisition is proposed for the project. | Number of structures affected. | Review of relevant documents, entitlement matrix and amount paid. | Contractor and agency engaged by BMRCL | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|--|--|---|--|---|--|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | Unnecessary damage to the structure shall be avoided and the structures being impacted shall be suitably compensated on par with the applicable statutory requirements. | | | | | |
| 10 | | Air – Dismantling of structures in the project location generates fugitive dust during dismantling, loading, hauling and unloading of dismantled and excavated material. | <p>Barricading to a height of 2 m will be provided to reduce dust generation.</p> <p>Water sprinkling shall be done twice or thrice both at construction sites and haulage routes to encapsulate dust from the excavated heaps.</p> <p>Fugitive dust while loading and unloading should be controlled using water sprinkling.</p> <p>Trucks transporting dismantled debris and excavated soil to dump locations shall be</p> | Throughout project corridor with excavation activities. | PM _{2.5} and PM ₁₀ level measurements Dust pollution or complain of locals. | Standards CPCB methods Site observations and Public consultation | Contractor and agency engaged by BMRCL | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------------------------|---|--|---|---|---|--|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | covered with tarpaulins to prevent spillage of soil during transportation. | | | | | |
| 11 | | Noise – Dismantling of structures, loading, unloading and trucks carrying excavated material will result in noise (typically in excess of 57 dB(A) at 10 m distance). The adverse impacts of noise will be significant near noise sensitive receptors (Appendix – 1) and proposed metro station locations where station areas spread into residential areas especially at Central Silk Board Station, HSR layout Station, Agara Station, Ibbalur Station. | Barricade of GI sheet up to a height of 2m will be erected on all sides of construction site to reduce the noise generated during loading and unloading being transmitted to the receptors. This will effectively cut down noise levels by 10-15 dB(A). Haulage of dismantled and excavated debris by trucks should be planned during non-peak hours. | Throughout project section especially at construction sites near identified sensitive receptor locations. | Noise levels measurement s Complaints from local people. | As per Noise Rules,2000 Consultation with local people | Contractor and agency engaged by BMRCL | BMRCL |
| 12 | Preconstruction activities | Aesthetics - Land acquisition, utility shifting activities and barricading of site will compromise the visual aesthetics temporarily. | Proper barricading ensures masking construction activities in addition to safety objectives. | At locations of utilities shifting. | Approval from competent authority and site observations. | Checking of documentation . | Agency engaged by BMRCL | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---|---|---|---|-----------------------------------|------------------------------------|-----------------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | Residual aesthetic impact will remain until the construction is complete, which is difficult to mitigate. | | | | | |
| 13 | Changes / Revisions / additions in the Project Work | New impacts - The changes or revisions in the project proposals may create the possibility of new impacts | The in-charge of Environment from BMRCL or the concerned consultant shall re-assess the possible impacts from the changes or revisions in the project proposals and revise / modify the EMP accordingly and addendum to the contract may be issued subsequently to see that the impacts are addressed properly. | At locations of changes proposed. | Approval from competent authority. | Checking of documentation . | Consultant | BMRCL |
| Pre-construction activities by the Contractor | | | | | | | | |
| Sl. No. | Environmental Issue/Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
| | | | | | indicators | Method | Implementation | Supervision |
| 14 | Contractor Preparatory Works (Upon issuance of | Non-compliance with contract conditions and regulatory requirements. | The Contractor will complete the following activities no later than 30 | Throughout the project sections | Approval from competent authority. | Checking of documentation . | Contractor | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|--------------------|--------|--|----------|------------|--------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | Notice to Proceed) | | <p>days upon issuance of Notice to Proceed</p> <p>1) Appoint Contractor's Health and Safety Officer (HSO) and environmental focal person to EC, 2) HSO will engage with BMRCL -Environment Specialist to a meeting to discuss in detail the EMP, seek clarification and recommend corresponding revisions if necessary 3) HSO will request BMRCL copy of monthly monitoring formats and establish deadlines for submission. 4) HSO will submit for BMRCL approval an action plan to secure all permits and approvals needed to be secured during construction stage which include but not limited to:</p> <p>i) operation of batching plants, ii) transport and storage of hazardous materials (e.g. fuel, lubricants, explosives), iii) waste disposal sites and disposal</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | management plan, iv) temporary storage location, iv) water use, v) vegetation should be removed from the construction zone after obtaining necessary permission, and vi) emission compliance of all vehicles. Arrangements to link with government health programs on hygiene, sanitation, and prevention of communicable diseases will also be included in the action plan. 5) HSO will submit for approval of BMRCL the construction camp layout before its establishment. | | | | | |
| 15 | Identification of Quarry (If opened exclusively for metro project) | Selection and finalization of quarry is very important to avoid impacts arising out of location. | The Contractor will finalize the locations in consultation with DE and BMRCL. The Contractor shall establish a new quarry with the prior consent of DE only if, the lead from existing quarries is uneconomical | Location of quarry area. | Approval from competent authority. | Checking of documentation . | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | <p>and alternative material sources are not available.</p> <p>Contractor shall finalize quarry for procurement of construction materials after assessment of availability of sufficient quantity of materials, quality and the logistic arrangements.</p> <p>Contractor shall also work out haul road network and report to Environmental Specialist of DE and DE shall inspect and in turn report to BMRCL before approval.</p> <p>All the required permissions / consents from SPCB shall be obtained, if it is new quarry.</p> <p>The Contractor shall prepare a redevelopment plan for the quarry site and get approved by the DE.</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| 16 | Quarries & crushers (If established exclusively for metro project) | Impacts from location - Selection of site for establishing quarries and crushers is very important to avoid impacts arising out of location. | <p>Quarries and crushers shall be sited sufficiently (at least 500m) away from settlements and fertile agricultural lands preferably in the downwind direction.</p> <p>Quarries and crushers shall be located at a distance of 300 m from water bodies and sensitive ecosystems such as forests.</p> <p>Contractor shall submit a detailed layout plan for all such sites and approval from Environmental Specialist of DE shall be necessary prior to the establishment.</p> <p>Specifications for crushers and batching plants shall comply with the requirements of relevant emission control legislations. Consent for</p> | Location of quarry areas and crusher plant location. | Approval from competent authority. | Checking of documentation . | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | the Establishment and Operation from KSPCB shall be obtained before establishment and operation respectively and a copy should be submitted to the DE and BMRCL. | | | | | |
| 17 | | Air – Quarrying and crushing activities generate dust and pollute the air. | Arrangements to control dust pollution through provision of windscreens, water sprinklers, and dust extraction systems shall have to be provided at all such sites. | | | | | |
| 18 | | Permissions and Consents – All required permissions and authorizations shall be obtained before operating the units and monitored regularly for their validity to prevent violation of statutory regulations. | Contractor shall obtain materials from quarries only after consent of the Department of Mines and Geology and Consent for Establishment & Consent for Operation from State Pollution Control Board. The crushers and all related activities shall be under taken as per the Policy | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>guidelines for installation of stone Crushers.</p> <p>The general and specific conditions specified in the license and consents shall be strictly adhered and followed.</p> | | | | | |
| 19 | Procurement of Construction Vehicles, Equipment and other Machinery | Air & Noise – If the proper vehicles, equipment and machinery to be used in construction of project are not procured, will produce noise, pollute air. | <p>Vehicles, equipment and machinery procured for construction shall conform to the relevant Bureau of India Standard (BIS) norms. The discharge standards prescribed under the Environment Protection Act, 1986 and Motor Vehicles Act, 1988 shall be strictly adhered.</p> <p>The noiseless equipment available in the market shall be used in the construction.</p> <p>Contractor shall ensure regular servicing and maintenance of all</p> | Project area. | Certificate from manufacturer and approvals from competent authority. | Checking of documentation . | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | vehicles and machinery used in construction. All vehicles and machinery should have a Pollution Under Control certificates which shall be sent to Environmental Specialist of DE and BMRCL's verification whenever required. | | | | | |
| 20 | Sourcing of Construction Water | Sourcing and Resource scarcity - Sourcing of construction water in Bangalore city is a big problem. Utilization of water resources available in the city may further worsen the problem of water scarcity. Hence it is very important to source water required for construction without affecting the existing users. | <p>Construction Water Management Plan shall be prepared and implemented after getting approval from Environmental Specialist of DE.</p> <p>Contractor shall arrange adequate supply and storage of water for whole of construction period at his own cost. The contractor shall submit a list of source/s from where water shall be used for the project to DE and BMRCL.</p> | Project site, camp areas and batching plants. | Approval from competent authority. | Checking of documentation . | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>The Contractor shall source the requirement of water preferentially by conjunctive use of Surface water and groundwater but with prior permission from the concerned Groundwater Authority. Copy of permission obtained shall be submitted to DE and BMRCL prior to initiation of construction.</p> <p>Contractor shall provide a list of locations and type of sources from where water for construction shall be extracted. Contractor shall extract water only from approved locations and consult Environmental Specialist of DE before finalizing locations to avoid disruption to other water users,</p> <p>The Contractor shall take all precaution to minimize the wastage of</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | water during construction activities. | | | | | |
| 21 | Sourcing of Sand | Resource scarcity - Extraction of sand will destroy biodiversity on the river banks. In order to put an end to river sand mining, the state government had banned sand to encourage use of manufactured sand. | <p>Sand shall be procured from identified and approved sand mines only.</p> <p>If the sand is being procured from new sand quarry / supplier, it shall be ensured that requisite license / lease has been obtained from the concerned Authorities. Contractor shall enter in to an agreement with land owner / supplier and submit to DE before procuring the sand.</p> <p>Permission for extraction of sand shall be obtained from Department of Mines & Geology. Government of Karnataka.</p> | Location of sand quarry area. | Approval from competent authority. | Checking of documentation . | Contractor | DE, BMRCL |
| 22 | Arrangement of Labors and siting of labor camps | Labor scarcity and establishment of new | The Contractor shall preferably use unskilled labor drawn from local communities to give | All construction camps | Camp health records | Camp records | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | labor camp and associated issues. | <p>maximum economic benefits to the local community.</p> <p>Labors shall be sourced from nearby locality to avoid establishment of labor camps and consequent impacts on the local resources and surrounding environment.</p> <p>Labor camps shall be sited at least 500 m away from major settlements or villages; major surface water bodies and forests.</p> <p>All required consents / permissions shall be taken from State Pollution Control Board, District Health Department and Central Ground Water Authority (CGWA) to establish labor camps.</p> <p>Under SHE CoC, and under the Building &</p> | | <p>Existence of proper first aid kit in campsite</p> <p>Complaints from local people</p> <p>Availability of Safety gears to workers</p> | <p>Site observation</p> <p>Consultation with local people living nearby</p> <p>Interact with construction workers</p> | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996 the employer (contractor) is liable to arrange for health care facilities of labors, free of charge.</p> <p>Labor camps shall be constructed in semi urban / urban set-ups. Thus, sewage and other discharges from the labor camps can be discharged in public sewers. Refer to SHE Conditions of Contract (CoC).</p> <p>Labor camps are provided with canteen systems, so that the labors don't cook by themselves (as per BOCWR). Cooking shall be done with Commercial LPG gas cylinders (19.4 kg).</p> | | | | | |
| 23 | Siting of Batching plants, Casting Yard and | Location – Improper siting of batching plant, casting yards and construction camps will | Construction camps shall not be proposed within 500m from the nearest settlements to avoid | At the specific locations of | Approval from competent authority. | Checking of documentation . | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | Construction Camp | lead to issues related to resource sharing, air pollution, noise pollution, water pollution, soil pollution and other impacts in the vicinity. | <p>conflicts and stress over resources and infrastructure facilities with local community.</p> <p>The batching plants, casting yards, construction camps for offices and construction plant sites shall be identified and located at a minimum distance of 500 m from any major surface water course or body.</p> <p>Contractor's camps shall be identified at least 2km away from the Forest Reserves.</p> <p>Consent to Establishment and Operate (CtE & CtO) shall be taken from State Pollution Control Board to establish batching plants, construction camps.</p> | plant established. | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| 24 | Orientation of Implementing Agency and Contractors | Orientation to project implementing agencies and contractor will impart insight to the project features and guidelines to ensure minimum impact on the environment. | <p>BMRCL shall organize orientation sessions and regular training sessions before the start of construction of project. This training shall include general as well as specific context of the project.</p> <p>These sessions shall involve all staff of BMRCL involved in implementation of EMP, Environmental Specialists of DE and Contractors.</p> | Throughout the project. | Training plan and records | Checking of documentation | DE | BMRCL |
| Construction Phase: | | | | | | | | |
| 25 | Excavations (Clearing, grubbing and levelling of site) | <p>Soil and Surface drainage - Clearing and leveling alters the soil texture and compactness affecting the infiltration and soil ecology. Leveling of site also involves alteration of natural drainage.</p> <p>Clearing, grubbing and levelling activities are common all along the proposed metro</p> | <p>Only ground cover / shrubs that impinge directly on permanent works or necessary temporary works shall be removed.</p> <p>A portion of this will be reused for backfilling. The remaining soil debris will be suitably disposed of to the pre-identified approved locations.</p> | Throughout the project areas and locations proposed for camps, plants and construction yards. | Presence of destroyed/ compacted agricultural land or land. | Site observations | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | <p>alignment and metro station locations.</p> <p>Soil Debris - The estimated quantity of earth work excavation such as pile drilling muck, pile cap and open foundations and construction and demolition (concrete) waste will be approximately 59682 m3 & 4177 m3 respectively. (Source: Data provided by BMRCL)</p> | <p>Infiltration losses due to site leveling and could be countered by installing Rain Water Harvesting (RWH) pits at camp and plant sites.</p> | | | | | |
| 26 | | <p>Vegetation - Digging, borrowing, uprooting of vegetation from construction site before commencement of construction and surface.</p> | <p>All works shall be carried out such that the damage to flora other than those identified for cutting is minimum.</p> <p>Damage to trees other than marked trees shall be suitably compensated at the rate of 10 trees for one tree being impacted.</p> | Throughout the project area. | Number of trees removed | Approvals from concerned authority. | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| 27 | | <p>Noise - Noise will be generated during clearing, grubbing and levelling activities. The impact from noise will be significant at noise sensitive receptors like schools, colleges and hospitals.</p> <p>There are education institutions (Appendix – 1) which are sensitive to noise along the proposed metro route which are impacted temporarily by this activity.</p> | Noise generated by these activities will be less. However, 2 m high barricade of GI sheet will be erected around the construction site which will effectively reduce transmission of noise to the receptors. | Throughout the project areas. | Noise and vibration levels measurements | <p>As per Noise Rule, 2000.</p> <p>Site observations and</p> <p>Public consultation</p> | Contractor | DE, BMRCL |
| 28 | | <p>Air - Fugitive dust will be generated during these construction activities.</p> <p>There are hospitals (Appendix – 1) along the proposed metro alignment which are impacted by air pollution temporarily during construction phase.</p> | Precaution shall be taken to reduce the level of dust from construction plants and construction sites involving earthwork by sprinkling of water. Water sprinkling will be carried out at regular interval, mutually decided by the contractor and BMRCL | Water sprinkling to be carried out as per SHE Conditions of Contract at regular interval (to be mutually decided by the contractor and BMRCL) | Throughout project corridor with excavation activities. | <p>PM_{2.5} and PM₁₀ level measurements</p> <p>Dust pollution or complaint of locals.</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
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| 29 | | Aesthetics – Excavations will impact on the aesthetics of the area temporarily during construction stage. | Construction sites shall be covered with barricades on all sides and the construction activities shall be limited within these barricades. | Throughout the project areas with excavation activities. | Site specific plans, schedules and approvals. | Review of design documents and site observation | Contractor | DE, BMRCL |
| 30 | Mechanical piling | Noise - Mechanical piling operations, generates noise which may go up to 88-90 dB(A) at 5 m distance. | <p>Augur piling will be carried out in place of mechanical piling which will generate less noise (around 70-75 dB(A)).</p> <p>Barricade of GI sheet up to height of 2m will be erected on all sides of piling operations. This could effectively cut down noise levels by 10-15 dB(A).</p> <p>Piling operations will be restricted during day time hours only. Augur piling methods will be used to reduce the impacts of noise</p> | Throughout project section especially at construction sites, residential and identified sensitive locations. | <p>Noise levels measurement s</p> <p>Complaints from local people.</p> | <p>As per Noise Rules,2000</p> <p>Consultation with local people</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | | | | | | |
| 31 | | Health and Safety - Noise and vibration generated during piling will affect the health and safety of the workers. | <p>2 m tall screens of GI sheets will be installed between source (pile driver) and receptors (workers & nearby populations).</p> <p>Workers involved in piling will be provided with personal safety gears such as ear plugs, ear muffs.</p> | Throughout project section especially at construction sites, residential and identified sensitive locations. | <p>Noise levels measurements</p> <p>Complaints from local people.</p> | <p>As per Noise rule,2000</p> <p>Consultation with local people</p> | Contractor | DE, BMRCL |
| 32 | | Land - Piling will affect the structure and texture of soil. | Top soil of construction site up to a depth of 300mm will be excavated, piled and stored to conserve the top soil which can be used at BMRCL's tree plantation sites. | Location of excavation station area, yards and plant location | Top soil stockpile | Site observations | Contractor | DE, BMRCL |
| 33 | Loading/unloading and hauling of debris of excavations and dismantled structures | Air – Excavated material generates fugitive dust from road surface during loading, hauling and unloading of excavated material. | <p>Barricading to a height of 2 m will be provided to reduce dust generation.</p> <p>Water sprinkling shall be done twice or thrice both at construction sites and haulage routes to</p> | Throughout project corridor with excavation activities. | PM _{2.5} and PM ₁₀ level measurements Dust pollution or complain of locals. | <p>Standards CPCB methods Site observations and</p> <p>Public consultation</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>encapsulate dust from the excavated heaps.</p> <p>Fugitive dust while loading and unloading should be controlled using water sprinkling.</p> <p>Trucks transporting excavated soil to dump locations shall be covered with tarpaulins to prevent spillage of soil during transportation.</p> | | | | | |
| 34 | | Noise – Loading, unloading and trucks carrying excavated material will result in noise (typically in excess of 57 dB(A) at 10 m distance). The adverse impacts of noise will be significant near noise sensitive receptors (Appendix – 1) and proposed metro station locations where station areas spread into residential areas especially at Central Silk Board Station, HSR | <p>Barricade of GI sheet up to a height of 2m will be erected on all sides of construction site to reduce the noise generated during loading and unloading being transmitted to the receptors. This will effectively cut down noise levels by 10-15 dB(A).</p> <p>Haulage of excavated debris by trucks should</p> | Throughout project section especially at construction sites near identified sensitive receptor locations. | <p>Noise levels measurements</p> <p>Complaints from local people.</p> | <p>As per Noise Rules,2000</p> <p>Consultation with local people</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | layout Station, Agara Lake Station, Ibbalur Station. | be planned during non-peak hours. | | | | | |
| 35 | | Social - Frequent movement of trucks during debris disposal could create social issues. Often observed near proposed Metro station locations at Central Silk Board Station, HSR layout Station, Agara Lake Station, Ibbalur Station. | <p>The local community has to be taken into confidence before the construction commences. Their advice has to be taken and incorporated in decision making.</p> <p>The routing, timing and logistics of the haul truck movement should be planned to have minimal impact on noise level.</p> <p>Strict speed limits should be followed at the settlement areas and on the haulage roads.</p> <p>Haulage of excavated materials should be planned during non-peak hours.</p> | Throughout project corridor within construction zone. | Complaint of locals. | Public consultation | Contractor | DE, BMRCL |
| 36 | | Traffic Congestion – Trucks hauling for disposal of debris will add to the existing traffic congestion woes, especially at Central Silk | Movement of trucks transporting excavated debris shall be planned during non-peak hours. | Throughout project corridor within construction zone. | Complain of locals. | Public consultation | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | Board junction, HSR junction, Agara junction, Ibbalur junction, Kadubeesanahalli junction, | | | | | | |
| 37 | | Health & Safety - The movement of trucks will increase the safety concerns of the dwellers and commuters. | <p>Movement of trucks shall be planned such that it causes least problematic and safer to the public.</p> <p>All required safety signboards precautions shall be erected along the haulage routes to ensure uninterrupted flow of traffic.</p> <p>Construction zone shall be separated from inhabited zones to avoid any unforeseen safety threats and consequences.</p> | | | | | |
| 38 | Disposal of excavated materials | Social - Unscientific handling and disposal of debris from excavations and dismantling structures will lead to | The debris generated from excavations and dismantling of structures shall be reused for back filling subject to structural suitability of materials and approval | At all approved dumping sites | <p>Location of dumping sites</p> <p>Public complaints</p> | Field survey and interaction with local people | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | nuisance to public and the environment. | <p>of Engineer concerned of DE.</p> <p>All waste debris shall be completely cleared from construction sites on regular basis and disposed of in approved disposal sites and certified by Environmental Specialist of DE.</p> <p>Contractor shall prepare debris disposal plan to deal with surplus debris materials that are available after adjusting for all in-situ applications and submit it to Environmental Specialist of DE for approval.</p> <p>Waste debris shall be dumped in abandoned quarries or borrow pits in layers and compacted mechanically. Once the filling is complete, the entire debris disposal area shall be provided with a layer of good earth on the top and cover with vegetation.</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>All arrangements for transportation during construction including provision, maintenance, dismantling and clearing debris, shall be considered incidental to the civil work and shall be planned and implemented by Contractor as approved and directed by the Environmental Expert of DE.</p> <p>Contractor at his cost shall resolve any claim, arising out of waste disposal or any non-compliance that may arise on account of lack of action on his part.</p> | | | | | |
| 39 | | Land – Dumping may cause change in the topography and affect the natural drainage pattern in the area. | The construction and demolition waste generated during the construction phase should be managed in accordance with the C&D Waste | Throughout project corridor within construction zone. | Location of dumping sites | Field survey and interaction with local people | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>Management Rules, 2016.</p> <p>Contractor shall suitably dispose of unutilized debris materials either through filling up of borrows areas located in wasteland or at pre-designated disposal locations, subject to the approval of the Environmental Expert of DE. Disposal sites shall be identified out of BBMP approved land fill sites as per Construction & Demolition Waste Management Rules, 2016.</p> <p>Location of disposal sites shall be finalized prior to initiation of construction works on any corridor of the project. Environmental Specialist of DE shall approve the disposal sites after conducting a joint inspection of site with Contractor.</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| 40 | | Soil erosion – Unconsolidated debris generated from pile driving or other construction activities may be eroded and silt up the nearby water bodies. The susceptible locations for disposal of debris and siltation are identified as Agara Lake at Ch 2+100 (LJHS), Bellandur Lake at Ch 4+200 (LHS), Ibbalur Lake at Ch 5+500 (LHS) and Pond at Ch 7+200 (LHS). | Debris generated from piling or other construction activities shall be disposed such that it does not flow into nearby surface water bodies or agricultural land in the area. | Throughout project corridor within construction zone. | Location of site and drainage plan | Field survey | Contractor | DE, BMRCL |
| 41 | | Air - The dumping operation of excavated material will generate fugitive dust in the nearby areas. | Sprinkling of water to suppress the fugitive dust emission from the heaps of debris shall be carried out. | Throughout project corridor within construction zone. | PM _{2.5} and PM ₁₀ level measurements Dust pollution or complain of locals. | Standards CPCB methods Site observations and Public consultation. | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| 42 | Accessibility | Social - Construction activities may restrict the movement of public to access the roads especially at the Metro Station construction locations. Accessibility issues may be significant at Ibbalur & HSR layout metro stations. | <p>Contractor shall provide safe and convenient passage for vehicles, and pedestrians to and from roadsides and property.</p> <p>Contractor shall also ensure that the existing accesses shall not be undertaken without providing adequate alternative provisions.</p> | Nearhabitation on both sides of schools, temple s, hospitals, graveyards, construction sites, haulage roads, diversionsites. | Road signage & drainage as per IRC guideline | Field observation Interaction with local people | Contractor | DE, BMRCL |
| 43 | | Safety - Movement though confined space may cause inconveniences and potential safety issues amongst pedestrians and residents. | <p>Construction sites shall be properly barricaded to ensure the safety of public residing near the construction sites.</p> <p>Safe passage for pedestrians with proper fall protection arrangements and caution signboards shall be planned and provided. HSE officials of contractor shall ensure this.</p> | | Complaints from local people | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| 44 | Planning for traffic diversions and detours | Social - Traffic diversions will create inconvenience to the public and commuters. | <p>Detailed Traffic Control Plans shall be prepared by Contractor and approved by Environmental Specialist and Engineer concerned of DE prior to commencement of works on any section of Metro works. The traffic control plans shall contain details of temporary diversions, traffDE safety arrangements during peak traffic hours; details of traffic arrangement after cessation of work each day, safety measures for night time traffic and arrangement of flagmen.</p> <p>Permission from BBMP and Traffic police shall be sought before commencement of construction works.</p> <p>Contractor shall ensure that the diversion/detour is always maintained in running condition,</p> | Throughout the project corridor especially at diversion and intersections | <p>Traffic Management plan</p> <p>Safety signs on site</p> <p>Number of traffic accidents</p> | <p>Review traffic management plan</p> <p>Field observation of traffic management and safety system</p> <p>Interaction with people in vehicles using the road</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>particularly during the monsoon to avoid disruption to traffic flow.</p> <p>Contractor shall inform local community of the changes to traffic routes; conditions and pedestrian access arrangements with assistance from DE and BMRCL.</p> | | | | | |
| 45 | | Traffic Congestion - Construction sites will be restricted for human and vehicular movements. This will result in detour of vehicles especially at busy commercial areas along Outer Ring Road. This results in traffic congestion | The temporary traffic detours shall be kept free of dust by sprinkling of water three times a day and depending on weather conditions, construction in the built-up areas and volume of traffic). | | | | | |
| 46 | | Air - Air pollution from vehicular congestion along the outer ring road during construction phase. Major pollutants like PM ₁₀ , PM _{2.5} , NO _x , SO ₂ , CO, NMHC, Lead and VOCs are released. | Traffic diversions shall be properly planned and implemented during peak hours. | | | | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>Traffic marshals shall be posted near such detours.</p> <p>Proper signage shall be posted informing motorists about detours.</p> | | | | | |
| 47 | | Noise – Restrictions on vehicular movement near the construction sites by barricading & detours may result into traffic congestion along outer ring road between Central Silk Board to Kaadubeesanahalli. This will result in noise from vehicular movement and honking due to congestion. | <p>Traffic diversions shall be planned properly with prior permission from traffic police.</p> <p>Sign boards shall be displayed properly on prohibition of use of horns particularly at noise sensitive receptor locations like schools, colleges and hospitals.</p> <p>Traffic marshals shall be posted at the construction sites and near busy intersections like Central Silk Board junction, HSR junction, Agara junction, Sarjapura Road junction, Bellandur Road junction, Devara Beesanahalli junction,</p> | | | | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | Kaadubeesanahalli junction, etc. to oversee the smooth flow of traffic. | | | | | |
| 48 | | Travel time cost / Resource consumption - Detouring of traffic during construction will increase the road length to be travelled by vehicles. This essentially increases the overall fuel consumption and travel time of road users. | The detour shall be planned with traffic department such that road length to be optimum. The faster completion of works will also tend to reduce fuel consumption. Congestion cost will be minimized by providing alternate route for traffic in peak hours. | | | | Contractor | DE, BMRCL |
| 49 | Construction of raft foundation | Land - Construction of raft foundation will generate concrete spoils. This will have adverse effects on land. | Concrete spoils shall be collected and disposed of in the pre-identified and approved disposal grounds. | Throughout the project corridor. | Method and location of construction site | Contractor records Field observation | Contractor | DE, BMRCL |
| 50 | Steel structure preparation | Land - Steel structure preparation will create steel scraps (approx. 5% of total BOQ steel requirement; as per CPWD standard estimate) | Steel scrap shall be collected, sorted by diameter and sold to approved scrap dealers/vendor on alter date. | At construction yards and work zones | Method and location of construction site | Contractor records Field observation | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| 51 | | Health & safety - Bar bending & other activities (including working at heights) might pose a health & safety risks to workers | <p>(a) Workers shall be provided with appropriate hand gloves.</p> <p>(b) Workers working at height or doing hot work shall seek permission from site HSE manager and shall be provided with rigs, safety harness & safety belts</p> <p>(Please refer to SHE Manual, BMRCL)</p> | Construction sites | <p>Availability of Safety gears to workers</p> <p>Safety signage Training records on safety</p> <p>Number of safety related accidents</p> | <p>Site observation</p> <p>Review records on safety training and accidents</p> <p>Interact with construction workers</p> | Contractor | DE, BMRCL |
| 52 | Transporting construction materials and haul road management | Air pollution - During transportation of construction material, fugitive dust will be generated from re-suspension of dust from road surface and from the spillage of construction materials from a moving vehicle. | <p>All vehicles delivering fine materials to the site shall be properly covered with tarpaulins to avoid spillage of materials.</p> <p>All existing roads used by vehicles carrying construction materials, shall be kept clear of all dust/mud or other extraneous materials</p> | Throughout project corridor within construction zone. | PM _{2.5} and PM ₁₀ level measurements Dust pollution or complain of locals. | <p>Standards CPCB methods Site observations and</p> <p>Public consultation.</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>dropped by such vehicles.</p> <p>Contractor shall arrange for regular water sprinkling as necessary for dust suppression of all such roads and surfaces</p> | | | | | |
| 53 | Stacking & warehousing of raw material | Surface Water – The stacked earth or raw materials will be washed out and pose serious impacts on surface water bodies, If not managed properly. Water bodies like Agara Lake at Ch 2+100 (LJHS), Bellandur Lake at Ch 4+200 (LHS), Ibbalur Lake at Ch 5+500 (LHS) and Pond at Ch 7+200 (LHS) are located along the proposed metro corridor are vulnerable to siltation. | <p>Contractor shall construct silt fencing around the stockpiles at the construction sites including ancillary sites close to water bodies.</p> <p>Contractor shall ensure that construction materials containing fine particles are stored in an enclosure such that sediment-laden water does not drain into nearby watercourses. Small dikes and garlanding drains shall be constructed along the periphery of the raw materials yard and boundary shall be constructed.</p> | At construction yards and work zones | Method and location of construction site | <p>Contractor records</p> <p>Field observation</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | | | | | | |
| 54 | | Land - Spillage of materials / mix products on the ground could pollute land | Proper care shall be taken such that the spills will be cleared regularly by scraping and disposing the products. | At construction yards and work zones | Method and location of construction site | Contractor records Field observation | Contractor | DE, BMRCL |
| 55 | | Health & Safety - Fine dust particles like cement / silt / sand could cause harm to respiratory system. | Cement and sand shall be stacked under tarpaulin and protected from spillage by GI sheet barricading. Workers shall be provided with suitable respiratory PPEs. | | | | | |
| 56 | | Aesthetics - Stacking of raw material will cause aesthetic issues located nearby residential areas | The height of barricade walls between the residential area and raw material yards / construction areas shall be raised using GI sheets to mask the view. | | | | | |
| 57 | RCC pouring (using concrete pump) and setting of concrete (using needle vibrator) | Noise & vibration - RCC pouring using concrete pump generates low frequency rumbling noise. Though pump noise is not excessively | Timing of using RCC pumps shall be planned and specified. RCC pumps shall be housed in small mechanical closets. Bends and | Throughout project section especially at construction sites, | Noise and vibration levels measurements | As per Noise Rules,2000 and Public consultation. | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | <p>loud, it is tonal and perceptible. This will be more perceived and irritating for noise sensitive receptors such as schools, colleges and hospitals and residential areas.</p> <p>Needle vibrators generate low frequency noise when dipped in concrete but high frequency noise when raised. Sound level vary between 82-93 dB(A).</p> | <p>excessive head will be avoided.</p> <p>Consistency of concrete shall be altered, to reduce the need for use of vibrator.</p> <p>Damping could be used to reduce high frequency noise and thereby reducing the noise levels.</p> <p>The Contractor shall abide by the terms and conditions stipulated in Condition of Contract on Safety, Health & Environment and Project Safety, Health & Environment Manual.</p> | residential and identified sensitive locations, refer to noise and vibration level prediction study report. | | | | |
| 58 | | <p>Land - Spillage from concrete pouring may contaminate land.</p> <p>During setting, spillage from cast could take place.</p> | <p>Efforts shall be made to avoid spillage of concrete to prevent wastage of concrete and resources.</p> <p>The spoils from pouring concrete shall be collected and reused as</p> | At construction yards and work zones | Method and location of construction site | <p>Contractor records</p> <p>Field observation</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | sub-grade material in road restoration works. | | | | | |
| 59 | | Aesthetics - Spoils from concrete pouring will create unpleasant visuals | After each pouring cycle, the spoils will be manually collected and reused as sub-grade material in road restoration works. | | | | Contractor | DE, BMRCL |
| 60 | Curing of concrete (use of water) | Source scarcity – Bangalore city is facing the scarcity of water resources. Use of fresh water for curing of concrete will further lead to depletion of water resources. | <p>Treated sewage water (treated to secondary level) shall be used for curing purpose.</p> <p>Curing both by sprinkling and dipping may be adopted, where a limited amount of water is sprinkled slowly at regular intervals for curing concrete. These methods save water by reusing and recycling, energy, labor, time and cost.</p> <p>Moisture retaining fabric coverings saturated with water shall be used for curing. Wet coverings such as wet gunny bags,</p> | At construction yards and work zones | Approved layout for drainage of construction yards. | Field observation | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>hessian cloth, jute matting, straw etc., shall be wrapped to vertical surface for keeping the concrete wet. For horizontal surfaces saw dust, earth or sand are used as wet covering to keep the concrete in wet condition for a longer time.</p> <p>All the required permissions from the concerned local authorities shall be procured before use of water resources for construction and curing.</p> | | | | | |
| 61 | | Surface water – Excess of curing water will drain to the low-lying areas stagnate making it as mosquito breeding places and pollute water courses | <p>Proper drainage shall be ensured to guide the curing water to the nearby drains.</p> <p>Garland drainage is proposed to be constructed around the construction yard. This will intercept the runoff generated from site.</p> | At construction yards and work zones | Method and location of construction site | Site observations and relevant records | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| 62 | | Ground water - Hydrating water requirement @ 0.38:1 water: cement + curing will require @ 0.06 kg/m ² /hr. of water, most of it will be supplied from approved groundwater sources (through tankers) as per the Central Ground Water Board norms. | Groundwater from Central Ground Water Authority designated safe areas shall be used after procuring permissions from concerned authorities. Water can be harvested and made to percolate into the recharge pits (as a compensatory measure) should be practiced. | At construction yards and work zones | Permission from authority. | Site observations and relevant records | Contractor | DE, BMRCL |
| 63 | | Aesthetics – Curing water impounding may lead to inconveniences to local public and stagnation promotes vector propagation. | Garland drain shall be constructed around the construction area. The curing water impounded can be collected and reused for curing. | | | | | |
| 64 | Use of Crane & Launchers | Noise - Operation of launchers and cranes generate noise which goes up to 85-90 dB(A). | Cranes and launchers shall be serviced and maintained regularly to prevent them making noise. Tall GI sheets of 2 m height barrier around the | Throughout project section especially at construction sites, residential and identified | Noise and vibration levels measurements | As per Noise Rules, 2000 and Public consultation | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>construction area shall be erected to control the noise transmission from the source where the cranes and launchers are used.</p> <p>The construction workers working near construction equipment shall be provided with PPEs like ear plugs / muffs complying with relevant standards.</p> <p>Noise emitting crane and launching works at noise sensitive receptors like schools, colleges and hospitals shall be scheduled properly to avoid or reduce impact on them.</p> <p>The Contractor shall abide by the terms and conditions stipulated in Condition of Contract on Safety, Health & Environment and Project Safety, Health & Environment Manual.</p> | sensitive locations. | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| 65 | | Health & Safety - Cranes and launchers are a major safety concern during construction. | <p>Contractor shall engage only qualified & trained crane/ launcher operators.</p> <p>Contractor shall ensure regular servicing and maintenance of cranes and launchers to avoid malfunction of equipment.</p> <p>Proper training shall be given to crane & launcher operators and labors before the commencement of work.</p> <p>Operation of launchers and cranes shall be done only under the strict supervision of a qualified engineer and a safety supervisor.</p> <p>The operating personnel should follow the operating and maintenance manuals supplied along with the cranes & launchers to understand the crane</p> | Construction sites | <p>Availability of Safety gears to workers</p> <p>Safety signage Training records on safety</p> <p>Number of safety related accidents</p> | <p>Site observation</p> <p>Review records on safety training and accidents</p> <p>Interact with construction workers</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>and operate the crane efficiently and safely.</p> <p>Instructions in Safety, Health & Environment Manual shall be followed.</p> <p>The Contractor shall abide by the terms and conditions stipulated in Condition of Contract on Safety, Health & Environment and Project Safety, Health & Environment Manual.</p> | | | | | |
| 66 | Construction camps and Labor camp(s) and associated environmental issues | Impacts related to location – Selection of labor camp location is important as it adversely impacts from the discharge of sewage and solid waste from labour camps. | <p>Contractor shall obtain permission from District Health Officer before establishing labor camps.</p> <p>Contractor shall follow all relevant provisions of the Building and the other Construction Workers (Regulations of Employment and Conditions of Service) Act, 1996 for construction and</p> | All construction camps | <p>Camp health records</p> <p>Existence of proper first aid kit in campsite</p> <p>Complaints from local people</p> | <p>Camp records</p> <p>Site observation</p> <p>Consultation with local people living nearby</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>maintenance of labor camp.</p> <p>The location, layout and basic facility provision of each labor camp shall be submitted to DE and BMRCL to obtain their approval prior to their establishment.</p> | | Availability of Safety gears to workers | Interact with construction workers | | |
| 67 | | <p>Resource scarcity – Establishment of labor camps requires resources like water thus increasing pressure on local resources.</p> <p>Water required for domestic uses in labor camps and workers if drawn from existing community bore wells and nearby surface water resources may deplete groundwater.</p> | <p>The Contractor shall provide potable water facilities for drinking & cooking and uncontaminated water for washing in the labor camps.as per standards set by the Building and other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996.</p> <p>The Contractor shall also guarantee the following:</p> <p>a) Supply of sufficient quantity of</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | Dependency of laborers on fuel wood for cooking and heating purposes will result in cutting of trees | <p>Potable Water in every workplace / labor camp (Site at suitable and easily accessible places and regular maintenance of such facilities.</p> <p>b) If any water storage tank is provided that shall be kept such that the bottom of the tank at least 1 m above the surrounding ground level.</p> <p>c) If water is drawn from any existing well, which is within 30 m proximity of any toilet, drain or other source of pollution, the well shall be disinfected before water is used for drinking.</p> <p>d) All such wells shall be entirely covered and provided with a trap door, which shall be dust proof and water proof.</p> <p>e) A reliable pump shall be fitted to each covered well. The trap door shall be kept locked and opened only for</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | in and around labor camp. | <p>cleaning or inspection, which shall be done at least once in a month.</p> <p>f) Analysis of water shall be done every month as per parameters prescribed in IS 10500-1991.</p> <p>Environmental Specialist of DE shall be required to inspect the labor camp once in a week to ensure the compliance of the EMP.</p> <p>Contractor shall provide sufficient quantity and timely supply of liquid petroleum gas to the laborers to discourage cutting of trees and vegetation.</p> | | | | | |
| 68 | | Sanitation and Sewage System – Waste water generated at the construction camps and labor camps will pollute | Contractor shall follow all relevant provisions of the Building and the other Construction Workers (Regulations of | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | <p>the soil, surface and ground water if disposed untreated.</p> <p>Impacts from storing, treating and disposing the sewage waste and solid wastes increases breeding sites of mosquitoes in turn increases the risk of vector borne diseases such as malaria.</p> <p>Supply of non-potable water will not only cause communicable diseases to laborers but also act as potential centers for spreading diseases</p> <p>There is also a possibility of spreading diseases such as HIV by having contact with local population.</p> | <p>Employment and Conditions of Service) Act, 1996 for construction and maintenance of labor camp.</p> <p>The location, layout and basic facility provision of each labor camp shall be submitted to DE and BMRCL prior to their construction. The construction shall commence only upon the written approval of the DE.</p> <p>The Contractor shall maintain necessary living accommodation and ancillary facilities in functional and hygienic manner and as approved by the DE.</p> <p>The Contractor shall maintain sufficient and appropriate sanitary facilities available and maintain hygienic conditions functional in the labor camps.</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>Necessary living accommodation and ancillary facilities shall be provided in labor camps as approved by the DE.</p> <p>The Contractor shall ensure that</p> <ul style="list-style-type: none"> - Waste water treatment plants shall be constructed at labor camps to treat the sewage to the prescribed standards before disposing it on the land or water in such a manner that no contamination of soil, ground water or water courses take place. - Separate toilets / bathrooms, for men and women are to be provided. (marked in local and English language) | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <ul style="list-style-type: none"> - Adequate water supply is to be provided in all toilets and urinals <p>The Contractor shall arrange for</p> <ul style="list-style-type: none"> – A readily available first aid unit including adequate supply of sterilized dressing materials and appliances as per the Factories Rules in every work zone. - Arrangement for availability of suitable transportation at all times to take injured or sick person(s) to the nearest hospital. <p>Contractor should ensure to conduct HIV awareness programs.</p> | | | | | |
| 69 | | Solid Waste - Poor sanitation and solid waste disposal in labor camps and work sites and possible transmission of communicable diseases | Domestic solid waste from construction and labor camps shall be segregated into biodegradable and non-biodegradable before being sent to treatment. Biodegradable wastes | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | from workers to local populations. | are treated by composting and non-biodegradable wastes are either recycled or disposed of to authorized land fill site. The Contractor shall provide garbage bins in the camps and ensure that these are regularly emptied and disposed of in a hygienic manner as per the Comprehensive Solid Waste Management Plan approved by the Environmental Specialist of DE. | | | | | |
| 70 | Use of batching plant and casting yard | Air – Handling of cement, sand and gravel materials into batching plant will generate fugitive dust and ambient air quality will be adversely affected. | Batching plants shall be sited at least 1 km in the downwind direction from the nearest human settlement. VehDEles delivering raw materials like sand and fine aggregates shall be covered to reduce spills on the roads. | At Batching plant sites | PM _{2.5} and PM ₁₀ , Noise level measurement s, Compliance on terms and conditions in given | Standards CPCB methods for air quality monitoring, relevant records on permission from authorities | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | Use of DG - The batching plant will get its power backup from DG sets. In most cases DG sets of 100 – 250 kVA) is required to run the batching plant & ancillary facilities. Thus, the diesel required will range from | <p>Water shall be sprayed on haulage roads within the premises of batching plants on a regular basis.</p> <p>The batching plants shall be fitted with dust extraction units and collectors to reduce exhaust dust.</p> <p>Batching plants / casting yards shall be barricaded and designated as a compulsory PPE zone to effectively reduce the impact from fugitive dust emissions.</p> <p>Required permissions for electrical connection and supply must be obtained from BESCO by the Contractor.</p> <p>DG sets, if used, shall:</p> <p>(a) conform to height of stack norms as per CPCB rules;</p> <p>(b) conform to emission norms as per</p> | | permission for batching plant | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | 30 – 45 L/hr (at 100% load). | <p>Environment (Protection) Act, 1986;</p> <p>(c) noise level at 1 m distance from enclosure shall not be >75 dB(A).</p> <p>Diesel storage if done beyond threshold limit (1000 L) permission from CCOE should be obtained. Diesel should be stored on pukka platforms and spillages should be avoided.</p> | | | | | |
| 71 | | Noise - Batching plants will generate noise during operation | <p>Batching plants / casting yards shall be barricaded and designated as a compulsory PPE zone.</p> <p>Workers working in close proximity of the batching plants shall be provided with suitable PPEs like ear muffs & plugs reduce the impacts of noise.</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| 72 | | Land - Soil compaction and contamination are envisaged at concrete batching plant and along access roads to these construction establishments. | As part of mitigation measures top soil shall be preserved and back filled. The site shall be rehabilitated to the original geographical contours and natural landscape or as per the contract agreement with the land owner. | | | | | |
| 73 | | Water - Batching plant will use water for concrete mixing. In most cases water will be supplied from groundwater. | Permission from CGWA must be obtained before digging and operating bore wells. Water abstracted must be measured/ recorded periodically. | | | | | |
| 74 | | Permissions from Authorities | Consent to Establish (CtE) and Consent to Operation (CtO) shall be obtained for construction establishments such as batching plants from the SPCB. All project activities are adhered to the contractual obligations under clearances and approvals | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| 75 | Curing of concrete segments & I beams | Water requirement - Curing will require a significant amount of water, which will mostly be supplied from groundwater. | Wastage / excess from curing could be collected separately and if possible reused. Stagnation of water (and resultant vector propagation) should be avoided. | At casting yards | Method and approved drainage plan | Site observations and relevant records | Contractor | DE, BMRCL |
| 76 | Hauling of concrete castings to construction site | Air - Transportation of concrete castings on the roads generates fugitive dust from road surface in addition to the obnoxious gaseous emissions from trucks used for hauling. | Truck tyres shall be washed to remove soil clinging to it near the exit points of the casting yards. Water sprinkling along the hauling route shall be undertaken. Trucks shall have PUC certificates and conform to the prescribed emission norms. | Throughout project corridor. | PM _{2.5} & PM ₁₀ level and Noise level measurements & checking PUC certificates Dust pollution or complain of locals | Standards CPCB methods Observations Public consultation | Contractor | DE, BMRCL |
| 77 | | Noise – Transporting vehicles carrying concrete castings results in high noise (typically in excess 57 dB(A) at 10 m distance). The adverse | The routing, timing and logistics of the haul truck movement shall be planned to have minimal impacts on the ambient noise levels. | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | impacts of noise will be significant at the residential areas and the noise sensitive receptors. | | | | | | |
| 78 | | Social - Continuous movement of haul trucks could create social issues in the form of obstruction to movement of commuters and traffic congestion. | <p>The routing and timing of haul trucks shall be planned to take the local community into confidence.</p> <p>They should be informed in advance on the routing and approximate timing after considering their advice.</p> | | | | | |
| 79 | | Safety - The movement of trucks will increase the risk of accidents to the commuters. | Safety sign boards shall be displayed all along the haul routes to sensitize the public. | | | | | |
| 80 | Use of DG sets at construction sites | Air - Air pollution from emissions of DG sets | Contractor shall prefer to utilize power from BESCOM as primary source and DG sets shall | At installation location of DG sets | Monitoring of ambient air | Standards CPCB methods and | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>be used only as power back-ups to conserve the diesel which is a non-renewable resource.</p> <p>(a) Emissions from DG shall adhere to CPCB prescribed norms</p> <p>(b) Stack height of DG sets shall be as per CPCB requirement (stack height = $0.2 \times$ (rating in kVA) 0.5]</p> <p>(c) Low Sulphur diesel shall be used in the DG sets.</p> | | <p>quality and Noise levels</p> <p>Measurements, compliance with consent taken from SPCB</p> | as per Noise Rules, 2000 | | |
| 81 | | Noise - Noise & vibration will be generated from the use of DG sets | <p>DG sets shall be insulated type to mitigate noise at source itself.</p> <p>DG sets shall be mounted on damping skids to reduce the vibration generated from DG sets.</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
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| | | | | | indicators | Method | implementation | Supervision |
| | | | | | | | | |
| 82 | Storage of fuel and lubricants | Surface and Groundwater - Spillage of fuel from underground storage or above ground storage facility will adversely affect the quality of ground and surface water respectively | <p>Spillage of fuel from underground storage facilities shall be avoided by taking required precautions during installations. Spillages reaching the soil from above ground storage facilities shall be avoided by storing on the concrete impervious platforms and installing oil interceptors at the outlet drains.</p> <p>The vehicle and construction equipment shall be properly maintained and refueling / maintenance of vehicles shall not be done near the water bodies to avoid contamination from fuel and lubricants.</p> <p>Diesel Generator sets shall be placed on a cement concrete platform with oil and grease trap to control the</p> | Fuellingstation, construction sites, andconstructio ncamps and disposal location. | <p>Quality of soil nearStorage area</p> <p>Presence of spilled oil project area</p> | <p>Site</p> <p>Observation and check of records</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|---|---|----------|------------|--------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | oil ingress into soil/water bodies. A Contingency Plan shall be prepared by the Contractor to face and act immediately on spillage as per Petroleum Rules, 2002 and Petroleum (Amendment) Rules, 2018. | | | | | |
| 83 | | Health & safety - Storage of fuel and lubricants will attract the provisions of Hazardous Chemicals (Management & Handling) Rules and Petroleum Rules as amended to date. It could cause serious damage to health & safety of workers / property. | Proper onsite emergency plan shall be prepared by the Contractor and get approved through BMRCL. If the diesel storage crosses the threshold limits permissions from Chief Controller of Explosives (CCoE). Proper fire protection norms have to be undertaken as per | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|---|---|---|---|--|--|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | National Building Code, 2016 (for buildings) / Oil Industry Safety Directorate Standard 117 (for installations). | | | | | |
| 84 | Construction activities near water bodies | Construction works near water bodies especially Agara Lake at Ch 2+100 (LJHS), Bellandur Lake at Ch 4+200 (LHS), Ibbalur Lake at Ch 5+500 (LHS) and Pond at Ch 7+200 (LHS) are susceptible for impact from construction activities. | <p>While working close to water bodies, contractor shall not obstruct / prevent the inflow of water. Construction close to water bodies shall be avoided in monsoon and may be undertaken in the dry season.</p> <p>Chute drains with sediment trap or silt fence and garland drains shall be planned at erosion susceptible areas to avoid ingress of silt into the water bodies.</p> <p>Vehicles and construction equipment shall not be parked near water bodies. The construction vehicle parking locations, fuel / lubricants storage sites,</p> | At construction work zones, plants, constructions yards and camp areas. | Method and location of construction site | <p>Contractor records</p> <p>Field observation</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|--------|---|----------|------------|--------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>vehicles, machinery and equipment maintenance and refueling sites shall be located at least 500 m away from water bodies and storm water drainages.</p> <p>The Contractor shall submit the locations and layout plans of such sites prior to their establishment and shall be approved by the Environmental Specialist of DE.</p> <p>The Contractor shall take necessary precautionary measures to prevent wastewater construction sites, construction and labor camps entering water bodies or storm water drainages during construction.</p> <p>Operation, maintenance and refueling of all vehicle / machinery and equipment shall be carried out in such a</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------------------------|--|---|--------------------------------------|---------------------------------|-------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>manner that spillage of fuels and lubricants does not contaminate the ground.</p> <p>Wastewater from vehicle parking, fuel storage areas, workshops, wash down and refueling areas shall be treated in an oil interceptor before discharging it on land or into water bodies or into other treatment system.</p> <p>Arrangement shall be made for collection, storing and disposal of oily wastes to the pre-identified disposal sites approved by the Environmental Specialist of DE. All spills and collected petroleum wastes shall be disposed of in accordance with Petroleum Rules and Pollution Control Board guidelines.</p> | | | | | |
| 85 | Drainage and flood control | Drainage – Drainage of construction site shall be ensured at all time during construction such that the area is drained to | It shall be ensured that no construction materials like earth, stone, or appendage disposed of in a manner that block | At construction yards and work zones | Approved layout for drainage of | Field observation | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|--|---|---|---|---|---|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | nearby drains. Blocks in the drainage will cost inundation and flooding in the area. | <p>the inflow of water to water bodies and cross drainages.</p> <p>All necessary measures shall be taken to prevent blockage to the water flow. In addition, the Contractor shall take all required measures as directed by the Environmental Specialist of DE to prevent temporary or permanent flooding near the construction site and adjacent area.</p> | | construction yards. | | | |
| 86 | Siltation of water bodies and degradation of water quality | Soil erosion and siltation - Soil erosion from construction site and siltation of sediments in to water body will impact aquatic ecosystem and silt up the nearby water body. | <p>Beds nearby water bodies shall not be excavated for borrowing earth for construction.</p> <p>Silt fencing shall be constructed around the stockpiles at the construction sites</p> | Throughout the entire project alignment especially along water bodies cutting/excavation is required. | Occurrence of slope failure or erosion issues | Review of design documents and site observation | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|--|---|--|--|--|---|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>including ancillary sites close to water bodies.</p> <p>Construction materials containing fine particles are stored in an enclosure such that sediment-laden water does not drain into nearby watercourses.</p> | | | | | |
| 87 | Construction Vehicles, Equipment and Machineries | Emission from Construction Vehicles, Equipment and Machineries – Fugitive emissions from vehicles and equipment used in construction of project will pollute the air. | <p>All the vehicles, equipment and machinery used in construction are regularly maintained to comply with the relevant statutory standards of CPCB and Motor Vehicles Rules.</p> <p>Redundant vehicles shall not be used in construction and Pollution Under Control (PUC) certificates for all vehicles / equipment / machinery used in the Project shall be ensured.</p> | Throughout project section especially at construction sites, residential and identified sensitive locations. | PM _{2.5} and PM ₁₀ , and Noise level measurements. Complaints from local people | Standards CPCB methods for air quality monitoring, relevant records on permission from authorities , Consultation details | Contractor | DE, BMRCL |
| 88 | | Noise - Construction vehicles and construction equipment will generate noise during | All Construction plants and equipment used in construction shall strictly conform to the | | | | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|---|---|----------|------------|--------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | construction. The noise will be more if the vehicles are not regularly serviced and maintained. | <p>MoEF&CC / CPCB noise standards.</p> <p>All Vehicles and equipment used in construction shall be fitted with exhaust silencers. The effectiveness of exhaust silencers shall be regularly checked and if found defective shall be replaced.</p> <p>Servicing of all construction vehicles and machinery shall be done regularly and during routine servicing operations.</p> <p>Maintenance of vehicles, equipment and machinery shall be regular and up to the satisfaction of the Environmental Specialist of DE to keep noise levels at the minimum.</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|-------------------------------------|--|--|--------------------|--|--|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| 89 | Personnel Safety Measures for Labor | Workers working at construction sites and construction establishment sites are exposed to occupational safety risks. | <p>Contractor shall provide:</p> <ul style="list-style-type: none"> ➤ Protective footwear, protective goggles and nose masks to the workers employed in concrete works, crushers, etc. ➤ Welder's protective eye-shields to workers who are engaged in welding works ➤ Earplugs to workers exposed to loud noise, and workers working in crushing or compaction <p>Safety harness to workers working at height and shall comply with all regulations regarding safe scaffolding, ladders, working platforms, gangway, stairwells, excavations, trenches and safe means of entry and egress.</p> | Construction sites | <p>Availability of Safety gears to workers</p> <p>Number of safety related accidents</p> | <p>Site observation</p> <p>Review records on accidents</p> <p>Interact with construction workers</p> | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|--------|--|----------|------------|--------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>The Contractor shall comply with all the precautions as required for ensuring the safety of the workmen as per those applicable to the contract.</p> <p>The Contractor shall not employ any person below the age of 14 years for any work and no woman shall be employed on the work of painting with products containing lead in any form.</p> <p>The Contractor shall also ensure that paint containing lead or lead products is used except in the form of paste or readymade paint.</p> <p>The Contractor shall make sure that during the construction work all the relevant provisions of Building and other</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|--------------------|--|--|---|------------------------------------|-----------------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>Construction Workers (regulation of Employment and Conditions of Services) Act, 1996 are adhered to.</p> <p>Contractor is obligated to follow BMRCL's Safety, Health and Environment Manual which defines the principal requirements of the Employer on Safety, Health and Environment (SHE) associated with the Contractor / Sub-contractor and any other agency to be practiced at construction work sites at all time.</p> | | | | | |
| 90 | Traffic and Safety | Traffic disruption – Construction works of metro disrupts traffic and exposes to traffic safety risks all along the proposed metro alignment and metro stations. | The Contractor shall take all necessary measures for the safety of traffic during construction and provide and maintain signs, barricades, markings, flags, lights and flagmen for information of road users and protection of traffic approaching or passing | At locations of traffic diversions and intersections. | Approval from competent authority. | Checking of documentation . | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|--------------------------------|--------|---|------------------|-------------------------------------|-----------------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | through the section of any existing cross roads as proposed in the Traffic Control Plans / Drawings. Traffic Control Plan shall be devised and implemented to the satisfaction of the Environmental Expert of DE. | | | | | |
| 91 | Risk from electrical equipment | | <p>The Contractor shall take all required precautions to prevent danger from electrical equipment and ensure that.</p> <ul style="list-style-type: none"> ➤ No material shall be so stacked or placed as to cause danger or inconvenience to any person or public. ➤ All necessary fencing and lighting shall be provided to protect the public from electrical | At Project site. | Specifications of electrical items. | Checking of documentation . | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|--------------------|--------|---|--------------|--------------------------------------|-----------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>hazards in construction zones.</p> <p>All equipment to be used in construction shall conform to the relevant Indian Standards (IS) codes, shall be free from defect; kept in good working order; regularly inspected and properly maintained as per IS provision and to the satisfaction of the Environmental Expert of DE.</p> | | | | | |
| 92 | Risk force measure | | <p>Contractor shall take reasonable precautions to prevent danger to the workers and public from emergency spillage, fire, flood, etc. resulting from construction activities.</p> <p>Contractor shall make required arrangements so that in case of any mishap all necessary steps can be taken for prompt first aid treatment. Construction Safety Plan prepared by the Contractor shall identify necessary</p> | The project. | Conditions on contractors' contract. | Checking of document. | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|---------------------------------|--------|---|--------------------|--|--|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | actions in the event of an emergency. | | | | | |
| 93 | First Aid | | <p>The Contractor shall arrange for –</p> <p>A readily available first aid unit including an adequate supply of sterilized dressing materials and appliances as per the Factories Rules in every work zone.</p> <p>Availability of suitable transport at all times to take injured or sick person(s) to the nearest hospital.</p> | Construction sites | <p>Availability of first aid boxes</p> <p>Number of safety related accidents</p> | <p>Site observation</p> <p>Review records on accidents</p> <p>Interact with construction workers</p> | Contractor | DE, BMRCL |
| 94 | Informatory Signs and Hoardings | | The Contractor shall provide, erect and maintain information / safety signs, hoardings written in English and local language | Construction sites | Installation of project informatory boards. | Site observation. | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|---|---|---|--|--|--------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | (Kannada), wherever required or as suggested by the Environmental Specialist of DE. | | | | | |
| 95 | Notified Archaeological Property and Chance Found Archaeological property | There is no archaeological monument notified under the Ancient Monuments and Archaeological Sites and Remains (Amendment and Validation) Act, 2010. However, during excavation for metro project the possibility of chance found article, structure or monument is not ruled out and suitable precaution and mitigation measures shall be taken to protect and conserve the structure or site of archaeological importance. | <p>All fossils, coins, articles of value of antiquity, structures and other remains of archaeological interest discovered on the site shall be the property of the Government and shall be dealt with as per provisions of the relevant legislation.</p> <p>The Contractor shall take reasonable precautions to prevent his workmen or any other persons from removing and damaging any such article or thing. He shall, immediately upon discovery thereof and before removal acquaint the Environmental Specialist of DE of such discovery and carry out his instructions for</p> | Throughout the project construction zones. | Ancient Monuments and remains during excavation. | Site observations. | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|-----------------------------|--|---|--------------------|--|---------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>dealing with the same, waiting which all work shall be stopped.</p> <p>The DE shall seek direction from the Archaeological Survey of India (ASI) before instructing the Contractor to recommence the work in the site. The Archaeological structures identified along the project sites should be protected/ preserved or enhanced as per the law.</p> | | | | | |
| 96 | Contractor's Demobilization | Environmental condition – The construction activities of metro works will cause environmental pollution. It is required to monitor the environmental attributes regularly to keep a tab on | The BMRCL shall undertake seasonal monitoring of air, water, noise and soil quality through an approved monitoring agency. The parameters to be monitored, frequency and duration of monitoring as well as the | The project sites. | Baseline monitoring and monitoring during works. | Monitoring reports. | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|---|--|--------------------|---------------------------|---|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | effectiveness of the mitigation measures. | locations to be monitored shall be as per the Monitoring Plan prepared. National Standard of Air, Noise and Water given in Appendix-. 3. | | | | | |
| 97 | | Continuous Community Participation | The Environmental Specialist of DE shall have continuous interactions with local people around the project area to ensure that the construction activities are not causing undue inconvenience to the locals residing in the vicinity of project site under construction due to noise, dust or disposal of debris etc. | The project sites. | Community engagement plan | Communication policy and engagement plan. | Contractor | DE, BMRCL |
| 98 | | Clean-up operations, restoration and rehabilitation | Contractor shall prepare site restoration plans, which shall be approved by the Environmental Specialist of DE. The clean-up and restoration operations are to be implemented by the | The project sites. | Site closure plans | Approval of site closure plan. | Contractor | DE, BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|--------|---|----------|------------|--------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>Contractor prior to demobilization.</p> <p>The Contractor shall clear all temporary structures; dispose all garbage, night soils and Petroleum, Oil and Lubricants wastes as per waste management plan and as approved by DE.</p> <p>All disposal pits or trenches shall be filled in and effectively sealed off. Residual topsoil, if any shall be distributed on adjoining/proximate barren land or areas identified by the Contractor and approved by the Environmental Specialist of DE in a layer of thickness of 75 mm – 150 mm.</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|------------------|---------------------------|--|--|--------------------|--|---------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | All construction zones and construction establishments including proposed metro alignment, camps, batching plants, crushers, and any other area used / affected due to the project operations shall be left clean and tidy, at the Contractor's expense, to the entire satisfaction to the Environmental Specialist of DE. | | | | | |
| Operation Phase: | | | | | | | | |
| 99 | Operation of metro trains | Air – Implementation of metro project will have a positive impact on the ambient air quality as the public use metro in place other modes of transportation which otherwise known for emitting air pollutants. | Public should be made aware and attracted to use metro more and more. BMRCL should plan for integrating other modes of transport to achieve last mile connectivity to attract public to use metro. | Project alignment. | Air quality and noise level monitoring during operational stage. | Monitoring reports. | BMRCL | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|---|---|--------------------|---|---------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | | | | | | |
| 100 | | Noise& vibration - The most significant source of noise during operation of metro is generated from contact between rolling wheel and rail and contact between the brake pad and wheel, followed by engine noise and aerodynamic noise. | <p>The metro train generates rolling noise of approximately 85 dB(A) at a ht. of 8-12 m, the effective noise levels perceived at at-grade roads will be approx. 55 - 60 dB(A) which is less than the monitored baseline noise levels along the alignment.</p> <p>Construction of parapet wall as mitigation measure to reduce noise level generated from metro operations. As per preliminary noise modeling study, the design height of 1070 mm is adequate to keep the noise levels within the prescribed values for noise for commercial zones as the background noise level</p> | Project alignment. | Noise level prediction modelling results. | Assessment reports. | BMRCCL | BMRCCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|---|--|---|----------------------------------|------------------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | <p>in these areas is already on higher side.</p> <p>Use of vibration resilient pads in tracks will absorb vibration.</p> <p>Hence, the increase in noise levels at the road level will be insignificant and will be marginally different from baseline ambient noise generated from traffic.</p> <p>Since the train coaches are enclosed and air conditioned, the impacts of noise on the travelers will be insignificant.</p> | | | | | |
| 101 | | Social – Implementation of metro will have a positive impact on the livelihood of society in terms of employment, commutability, improved access, comfortable | The employment generation capacity has to be extended to the needy and underprivileged people. | Working areas/offices, stations and depot | Number of Eemployment generated. | Check of relevant documents. | BMRL | BMRL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|---|--|---|--|-------------------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | travel and decreased travel time. | <p>This positive impact should be enhanced to larger canopy of people by integrating with other modes of transportation to establish last mile connectivity.</p> <p>Metro services should be extended to support disabled, students, senior citizens through special programmes.</p> <p>Parking facilities for private vehicles shall be planned and provided to attract users of metro.</p> | | | | | |
| 102 | | Resources – There will be a positive impact on the conservation of resources. | This positive impact should be enhanced to larger canopy of people by integrating with other modes of transportation | Development in the areas along the alignment. | Consultation with community in the locality. | Site observations and survey. | BMRCCL | BMRCCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|--|---|--------------------------------------|---------------------------------------|--|---------------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | to establish last mile connectivity. | | | | | |
| 103 | | Health & Safety – Operation of metro rail will have significant benefit on the health due to reduced air pollution and on the safety due to reduced risk of exposure to accidents. | This positive impact should be enhanced to larger canopy of people by integrating with other modes of transportation to establish last mile connectivity. | | | | | |
| 104 | | Ancillary development - Ancillary developments will take place along with metro corridor. | Ancillary development should be monitored and only specific types of developments should be encouraged. A stringent land use policy should be developed & followed. There should be balanced and sustainable developments along the metro corridor. | Feeder route and connected stations. | Commuter satisfaction and complaints. | Site observations and consultation with users. | Appointed agency. | BMRCL |
| 105 | | Aesthetics – Implementation of metro rail will enhance the aesthetics in the vicinity after completion. | Aesthetics of metro structure should be regularly maintained and monitored for proper housekeeping landscaping underneath metro line, vertical | | | | Facility Contractor | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------------|--|---|-------------------------------|--|---------------------------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | gardens on the piers and upkeep of metro coaches & metro stations. | | | | | |
| 106 | | Water pollution – Washing of metro coaches in metro workshops will have oil & grease in the waste water which contributes for Chemical Oxygen Demand (COD) & Total Suspended Solid content if disposed into the nearby water bodies. | Effluent Treatment Plants (ETPs) shall be designed and planned in the workshops to treat the waste water and then dispose it suitably. | Stations and Depot locations. | Water quality paramters. | As per CPCB requirements | BMRCL | BMRCL |
| 107 | Use of DG sets | Air – Use of DGs will release air pollutants to the environment. | It shall be preferred to use power source from BESCO and DGs shall only be used as power backups. Emissions from DG shall conform to CPCB norms and height of the stacks of DG shall be as prescribed by CPCB. | Stations and Depot locations. | Air quality and noise level parameters. Conditions mentioned in consent letter for DG sets | As per CPCB requirements. | BMRCL | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|-------------------|---|---|--|--|--|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | High Speed Diesel containing low Sulphur content shall be used to run DGs. | | | | | |
| 108 | | Noise - Noise & vibration will be generated from the use of DG sets | <p>DG sets should be noiseless type and DG sets shall be provided with enclosures and mufflers to reduce the noise transmission.</p> <p>The DG sets shall be mounted on damping skids to reduce the vibration from DG sets.</p> | At location of installations at stations or power back-up. | Air quality and noise level paramters | As per CPCB requirements | BMRCL | BMRCL |
| 109 | Storage of Diesel | Water Pollution – Spillage of diesel from storage facility will pollute nearby surface water bodies and groundwater quality adversely | Storage of diesel shall be done in designated areas paved with concrete floors and with an arrangement of oil interceptors to prevent oil entering the water stream. | Storage facility and filling facility. | <p>Presence of spilled oil at facility.</p> <p>Emergency response planning and equipments.</p> | Site observation and compliance check on given permission. | BMRCL | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|----------|---|--|----------|------------------------------------|--------|----------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | Precautions shall be taken to avoid any spillage of diesel. | | Approval from competent authority. | | | |
| 110 | | Health & safety – Accidental spillage of diesel could cause serious fire hazards and affect the health of workers and damage to properties. | <p>As the storage of diesel attracts the provisions of Hazardous Chemicals (Management & Handling) Rules and Petroleum Rules; as amended to date, required permission shall be obtained.</p> <p>Proper on-site emergency plan shall be prepared and get the BMRCLs approval.</p> <p>If the diesel storage crosses the threshold limits permissions from Chief Controller of Explosives (CCoE), proper fire protection norms shall be</p> | | | | | |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|--|---|--|-------------------|---------------------------------------|--|----------------------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | undertaken as per National Building Code, 2005 (if applicable). | | | | | |
| 111 | Monitoring Operation Performance | Non-compliance – Failure to monitor operation performance will lead to non-compliance of statutory requirements of project. | The BMRCL shall monitor the operational performance of the various mitigation / enhancement measures carried out as a part of the project. | Metro operations | Commuter satisfaction and complaints. | Site observations and consultation with users. | BMRCL | BMRCL |
| 112 | Maintenance of Drainage along the metro corridor | Flooding – Non maintenance of drains to ensure the flow of surface run off will lead to flooding which may create problem to access metro services. | BBMP shall ensure that all drains (side drains, median drain and all cross drainages) are periodically cleared especially before monsoon season to facilitate the quick passage of rainwater and avoid flooding. | Project alignment | Drainage layout | Site observations | BBMP | BMRCL |
| 113 | Environmental Monitoring | Construction of metro project and associated works may impact air quality, noise levels, surface and ground water quality and soil quality. | The periodic monitoring of the ambient air quality, noise level, water (both ground and surface water) quality, soil quality in the selected locations shall be done as suggested in environmental monitoring plan through | Project alignment | Environmental parameters monitoring | Reports on monitoring | Approved Monitoring Agency | BMRCL |

| Sl. No. | Activity | Impact | Mitigation Measures | Location | Monitoring | | Responsibility | |
|---------|-----------------|---|---|--------------------------------------|----------------|--------------------------------|-------------------------|-------------|
| | | | | | indicators | Method | implementation | Supervision |
| | | | the approved monitoring agency. | | | | | |
| 114 | Tree Plantation | Tree transplantation and compensatory tree plantation in lieu of trees impacted by metro project will help to maintain green cover in the city and helps to ameliorate cities weather conditions and environment. | The survival rates and success of the transplanted and compensatory planted trees under metro project shall be monitored and ensured by State Forest Department on behalf of BMRCL. | Plantation at median & station areas | Survival rates | Site observations and reports. | State Forest Department | BMRCL |

Annexure 10: Calculation of Compensation

Y.V. THIMMA RAJ, B.Arch FRA.FIV.
 ARCHITECT & REGISTERED VALUER
 CAT-1 / REG. No. F / CC-1 / 2001-02

| | | | | | | | |
|---|------------------------|------------|---|-----------------|--------------------|-----------------|--------------------|
| B | Terrace floor (A Type) | 34.43 Smt. | Basic rate adopted Rs. 25,500/- per S.mt. PAR adopted Rs. 33,388.90 per S.mt. | 9 Yrs (0.08000) | Rs. 11,51,349.27 | Rs. 1,03,812.43 | Rs. 10,47,536.84 |
| A | Total | --- | --- | --- | Rs. 5,55,96,215.88 | --- | Rs. 5,05,81,544.48 |

Part - B - Building
 As per Line of Cut (LOC)

| Sl. No | Description | Plinth area(Smt) | Basic Rate (Rs.) | Age of building | Replacement value(Rs.) | Depreciation amount(Rs.) | Fair market value(Rs.) |
|--------|-------------|------------------|------------------|-----------------|------------------------|--------------------------|------------------------|
| | | --- | --- | --- | --- | --- | --- |
| | | --- | --- | --- | --- | --- | --- |
| | | --- | --- | --- | --- | --- | --- |
| | | --- | --- | --- | --- | --- | --- |
| | | --- | --- | --- | --- | --- | --- |
| A | Total | --- | --- | --- | --- | --- | --- |

Part - C
 Amenities and Extra Items (EOA)

| Items | External stair case, overhead water tank, architectural elevation works, plinths, false ceiling works etc. |
|-------|--|
| | Replacement Value(Rs.) Fair Market value(Rs.) |
| Total | --- |

Part - D
 Services

| Items | Water supply, open well or tube well, compound wall, pavements, steel gate etc. |
|--|---|
| | Replacement Value(Rs.) Fair Market value(Rs.) |
| Sump tank | Rs. 95,000.00 Rs. 75,762.50 |
| Bore well | Rs. 3,00,000.00 Rs. 2,30,250.00 |
| Compound wall | Rs. 3,51,283.51 Rs. 2,80,148.00 |
| Lift | Rs. 15,00,000.00 Rs. 12,78,000.00 |
| Shelling & Transporting temporary structure in terrace | Rs. 50,000.00 Rs. 50,000.00 |
| Total | Rs. 21,96,283.51 Rs. 18,21,161.10 |



Y.V. THIMMA RAJ, BARCH, PRA, F.I.V.
ARCHITECT & REGISTERED VALUER
CAT-1 / REG No. 7 / CC-1 / 2001-02

| | | |
|------|---------------------------------|--|
| 9. | Building sections details | Not available. |
| 10. | Property tax details | |
| a) | Receipt referred | Not available. |
| b) | Assessment No. | |
| c) | Receipt in the name of | |
| 11. | Electricity service connections | |
| a) | R.R. No. | |
| b) | In the name of | |
| III. | PROCEDURE OF VALUATION | Adopting CBOT guide line based on plinth area method. With Basic Rate of CPWD as on 1-04-2019, KPWD SR 2018-19 with CI 113 and weightages as applicable. Depreciation by straight line method Type A (framed structures) @11%pa, Type B (cast bearing) @11.5%pa, Type C (sheet roof structures or other than A & B) @ 2.25%pa. Total life considered as 90 years, 80 years and 40 years respectively and salvage value as 10%. |
| IV. | VALUATION DETAILS | Detailed in Part A, B, C & D. |

TECHNICAL DETAILS

2. Building Specifications Floor wise

| Building Specifications | Basement floor (Type-A/B/C) | Ground floor (Type-A/B/C) | First/Upper floors (Type-A/B/C) |
|----------------------------|-------------------------------------|---------------------------|---------------------------------|
| Foundation | RCC foundation & RCC wall (A' type) | — | — |
| Superstructure | RCC wall | Concrete block masonry | Concrete block masonry |
| Roof | RCC roof | RCC roof | RCC roof |
| Floor to roof height(Mtrs) | 2.50 M. | 3.00 M. | 3.00 M. |
| Doors | Wooden & steel doors. | Glass & wooden doors. | Glass & wooden doors. |
| Windows | Steel ventilators. | UPVC windows. | UPVC windows. |
| Flooring | Verified tile flooring. | Verified tile flooring. | Verified tile flooring. |

3. Plinth Area Floor wise (As per IS 3861-1983 CPWD PAR)

a. As per Line of Acquisition (L.O.A)

| Floors | Main Portion (A) | Cantilevered Portion covered (B) | Cantilevered Portion partly covered/uncovered (C) | Total (A + B + 50% of C) |
|----------------|------------------|----------------------------------|---|--------------------------|
| Basement floor | 263.80 ✓ | — | — | 263.80 ✓ |
| Ground floor | 288.15 | — | 26.3 | 314.45 ✓ |
| First floor | 340.47 ✓ | — | — | 340.47 ✓ |
| Second floor | 340.47 ✓ | — | — | 340.47 ✓ |
| Third floor | 340.47 ✓ | — | — | 340.47 ✓ |
| Terrace floor | 34.48 ✓ | — | — | 34.48 ✓ |
| Total | | | | 1633.94 |

b. As per Line of Cut (L.O.C)

| Floors | Main Portion (A) | Cantilevered Portion Covered (B) | Cantilevered Portion partly covered/uncovered (C) | Total (A + B + 50% of C) |
|--------------|------------------|----------------------------------|---|--------------------------|
| — | — | — | — | — |
| — | — | — | — | — |
| — | — | — | — | — |
| Total | | | | |



Y.V. THIMMA RAJ, BARCH, M.A., F.I.V.
ARCHITECT & REGISTERED VALUER
CAT-1 / REG No. 7 / CC-1 / 2001-02

9, 14th Cross, Cubbonpet, BANGALORE-560 002
Email: tvr1234@yahoo.co.in tvrchtraj@gmail.com
PHONE : 080 41180385 MOB. : 95418 35790

BANGALORE METRO RAIL CORPORATION LIMITED
BANGALORE
VALUATION ABSTRACT

BMRC PROPERTY
IDENTIFICATION
NUMBER
BYP-3RD-BJ-BLO.
NO. 06

1. BMRC work order Ref. No. : BMRC/ED-1AP/LHA/VALN/2019/9048, dt. 02-01-2020.
2. Name of the owner (as per final notification) : A. Francis Xavier Bin Ady Kallawany.
3. a) Property No. & Address : C Sy no. 105/3 & 105/4, PID No. 84-136-3M-116, Banaswari village, K.R.Puram Hobli, Bangalore East, Bangalore.
- b) Date of preliminary Notification 28(1) : 34 SPQ(E) 2019, dated 21-05-2019.
- c) Date of Final Notification 28 (4) :

4. Extent of Acquisition
(a) Land Component

| Sl. No. | Total Land Area in Sq. mtrs. | Being acquired in Sq. mtrs. (as per final notification) | % |
|---------|------------------------------|---|---|
| | | 81.71+100.05=241.76 Sq.mtrs. | |

(b) Building component -As per BCS Drawing

| Sl. No. | Floor | Extent of acquisition as per requirement in Sq.mtrs. (A) | Additional extent on account of safety in Sq. mtrs.(B) | Total A+B in Sq. mtrs. |
|---------|----------------|--|--|------------------------|
| 1 | Basement floor | 263.00 | — | 263.00 |
| 2 | Ground floor | 214.45 | — | 214.45 |
| 3 | First floor | 340.47 | — | 340.47 |
| 4 | Second floor | 340.47 | — | 340.47 |
| 5 | Third floor | 340.47 | — | 340.47 |
| 6 | Terrace floor | 34.48 | — | 34.48 |
| | Total | | | 1633.94 |

5. Valuation of property /Summary

| Sl. No. | Item | In Rupees Fair Market value(Rs.) |
|---------|--|-------------------------------------|
| 1. | Building | |
| a. | (a) As per acquisition | Rs. 5,05,81,544.48 |
| b. | (b)Additional area (functional and safety reasons) | — |
| c. | Amendments and Extra items | — |
| d. | Services | Rs. 19,21,161.10 |
| | Total | Rs. 5,25,02,705.58 |
| | | Say |
| | | Rs. 5,25,02,706.00 |
| 2. | Total value of land | |
| | Extent x Rate-amount | |
| | Grand Total | |

Rupees In Words: (Rupees Five Crore Twenty Five Lakhs Two Thousand Seven Hundred Six only).

Name & Signature of Valuer with seal



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 CAT-1 / REG No. T / CC-1 / 2001-03

Chain link fencing & Gate
 14.10 x 1.55 = 21.855 Sqr. ft. @ Rs. 772.20
 Rs. 715.00 (Basic rate) + Rs. 57.20 (Area weightage 8%) = Rs. 772.20
 (As per RSPB 2018-2019 page 290, item no.37.3)

Total
 Less depreciation 9 yrs @ 20250

Replacement Value is
 Fair Market Value is

Rs. 10,876.43

Rs. 3,51,293.51
 Rs. 71,136.91
 Rs. 2,80,148.80

Rs. 3,51,293.51
 Rs. 2,80,148.80

Lift

Passenger Lift
 G+4

Replacement
 Value

Rs. 10,00,000.00

Depreciation
 Amount
 9yrs @ 20250

Rs. 3,24,000.00

Fair market
 Value

Rs. 12,76,000.00

Total

Rs. 10,00,000.00

Rs. 12,76,000.00

Replacement Value
 Fair market Value

Rs. 10,00,000.00
 Rs. 12,76,000.00

Shifting & Transporting temporary structure to terrace.

Lump sum

Rs. 50,000.00

Replacement Value
 Fair market Value

Rs. 50,000.00
 Rs. 50,000.00



Y.V. THIMMA RAJ, B.Arch FIA FIV
 ARCHITECT & REGISTERED VALUER
 CAT-1 / REG No. 7 / CC-1 / 2001-02

CALCULATION

Concrete Block masonry compound wall:
 (Total length of wall 63.56 Rest.)

Earthwork excavation

$88.15 \times 0.60 \times 0.60 = 32.094 \text{ Cum.}$ @ Rs. 322.92
 Rs. 10,363.79
 Rs. 299.00 (Basic rate) + Rs. 23.92 (Area weightage 8%) = Rs. 322.92
 (As per KSRB 2018-2019 page 6, item no. 2.3)

1:4:8 Bed concrete

$88.15 \times 0.60 \times 0.15 = 08.023 \text{ Cum.}$ @ Rs. 5,510.16
 Rs. 44,298.01
 Rs. 5,102.00 (Basic rate) + Rs. 408.16 (Area weightage 8%) = Rs. 5,510.16
 (As per KSRB 2018-2019 page 13, item no. 4.3)

5:5:5 Masonry for foundation walls

$88.15 \times 0.45 \times 0.60 = 24.010 \text{ Cum.}$ @ Rs. 3,782.16
 Rs. 91,036.59
 Rs. 3,502.00 (Basic rate) + Rs. 260.16 (Area weightage 8%) = Rs. 3,762.16
 (As per KSRB 2018-2019 page 25, item no. 5.4)

Plinth concrete

$88.15 \times 0.38 \times 0.075 = 02.540 \text{ Cum.}$ @ Rs. 5,885.76
 Rs. 14,873.63
 Rs. 5,422.00 (Basic rate) + Rs. 433.76 (Area weightage 8%) = Rs. 5,855.76
 (As per KSRB 2018-2019 page 13, item no. 4.5)

Concrete Block masonry (150mm)

$63.56 \times 1.10 = 69.916 \text{ Smt.}$ @ Rs. 962.26
 Rs. 67,278.76
 Rs. 891.00 (Basic rate) + Rs. 71.26 (Area weightage 8%) = Rs. 962.26
 (As per KSRB 2018-2019 page 27, item no. 5.25.2)

Coping concrete

$63.56 \times 0.10 \times 0.075 = 00.715 \text{ Cum.}$ @ Rs. 6,111.72
 Rs. 4,388.87
 Rs. 5,659.00 (Basic rate) + Rs. 452.72 (Area weightage 8%) = Rs. 6,111.72
 (As per KSRB 2018-2019 page 14, item no. 4.11)

Plastering

$63.56 \times 1.10 \times 2 \text{ Nos.} = 139.832 \text{ Smt.}$ @ Rs. 225.32
 Rs. 30,857.78
 Rs. 294.00 (Basic rate) + Rs. 16.32 (Area weightage 8%) = Rs. 310.32
 (As per KSRB 2018-2019 page 115, item no. 15.10)

Painting

$63.56 \times 1.10 \times 2 \text{ Nos.} = 139.832 \text{ Smt.}$ @ Rs. 115.16
 Rs. 15,403.89
 Rs. 102.00 (Basic rate) + Rs. 8.16 (Area weightage 8%) = Rs. 110.16
 (As per KSRB 2018-2019 page 120, item no. 15.53.2)

M.S. Gate

$08.49 \times 1.50 = 12.735 \text{ Smt.}$ @ Rs. 2,252.96
 Rs. 28,522.96
 $03.00 \times 1.50 = 04.500 \text{ Smt.}$ @ Rs. 2,252.96
 Rs. 10,120.80
 Rs. 3,012.00 (Basic rate) + Rs. 240.96 (Area weightage 8%) = Rs. 3,252.96
 (As per KSRB 2018-2019 page 45, item no. 7.3)



Y.V. THIMMA RAJ, B ARCH, PIA, FIV
ARCHITECT & REGISTERED VALUER
CAT-1 / REG. No. 7 / CC-1 / 2001-02

| | | | |
|----|--|----------------|----------------|
| 16 | Add MS pipe joints Rs. 111.00 + 8% (Weightage) Rs. 119.88 per kg. 2.50 kgs per 1 mt x 119.88 = Rs. 299.70 KRSB, S.R. 2018-19 Page No. 43, Item 7.29 | Rs. 299.70 (+) | Rs. 299.70 (+) |
| 17 | Add Cement flooring Rs. 606.00 + 8% (Weight age) 656.84 KRSB, S.R. 2018-19 Page No. 104, Item 14.10 | — | Rs. 656.84 (+) |
| 18 | Grand total | Rs. 8,341.65 | Rs. 10,268.78 |

Break up for 15% deduction
Elevation treatment not provided
Lower specification
Total

5%
20%
25%

Break up for 25% deduction
Elevation treatment not provided
Lower specification
Total

5%
20%
25%

Sump Tank

Capacity: 5,000 lt
Adopted rate Rs. 18/lt per lt
5,000 lt @ 18.00
Pump and fittings

Replacement
Value

Rs. 90,000.00
Rs. 5,000.00

Depreciation
Amount
(yrs @ 20250)

Rs. 18,225.00
Rs. 1,012.50

Fair market
Value

Rs. 71,775.00
Rs. 3,987.50

Total

Rs. 95,000.00

Rs. 75,762.50

Replacement Value
Fair market Value

Rs. 95,000.00
Rs. 75,762.50

Bore well

Bore well cost
2 Nos. x 1,00,000.00
Pump and fittings
2 Nos. x 50,000

Replacement
Value

Rs. 2,00,000.00
Rs. 1,00,000.00

Depreciation
Amount
(yrs @ 20250)

Rs. 40,000.00
Rs. 20,250.00

Fair market
Value

Rs. 1,60,000.00
Rs. 79,750.00

Total

Rs. 3,00,000.00

Rs. 2,39,750.00

Replacement Value
Fair market Value

Rs. 3,00,000.00
Rs. 2,39,750.00



Y.V. THIMMA RAJ, BARCH, FBA, FIV
 ARCHITECT & REGISTERED VALUER
 CAT-1 / REG. No. 7 / CC-1 / 2001-02

Calculation sheet (A type)

| Sl. No. | Particulars | Basement floor Commercial | GF, FF, SF, TF, & Terrace floor Commercial |
|---------|--|---------------------------|--|
| 1 | Type of construction | Framed structure | Framed structure |
| 2 | Acquired building area | 263.99 Sq.mtr. | 314.45, 340.47, 340.47, 340.47 & 34.48 Sq.mtr. |
| 3 | Building height | 2.50 m | 3.00 m |
| 4 | Basic rate adopted | Rs. 30,000.00 | Rs. 25,500.00 |
| 5 | Difference in height (+ or -) | Rs. 30,000.00 | Rs. 25,500.00 |
| 6 | 3.35-2.50 = 0.85 m. (G.F.) | Rs. 2,549.99 (-) | Rs. 673.00 (-) |
| 7 | 0.850.3 x 900 = 2,549.99 | Rs. 27,450.01 | Rs. 24,830.00 |
| 8 | 3.60-3.00 = 0.60 m. (G.F, FF, SF & TF) | 0.600.3 x 235 = 670.00 | |
| 9 | Water sanitary services 4% | Rs. 1,098.00 | Rs. 993.30 |
| 10 | Electrical services 10% | Rs. 2,745.00 | Rs. 2,483.00 |
| 11 | External services 5% | Rs. 1,372.50 | Rs. 1,241.50 |
| 12 | Total | Rs. 32,865.51 | Rs. 29,547.70 |
| 13 | Cost index rate from 01-04-2019 113/100x total | Rs. 36,912.02 | Rs. 33,388.90 |
| 14 | Grand total per sq.mtr. | Rs. 36,912.02 | Rs. 33,388.90 |

Calculation sheet (C type)

| Sl. No. | Particulars | Ground floor Security room | Ground floor Store |
|---------|--|----------------------------|--------------------|
| 1 | Type of construction | AC sheet | AC sheet |
| 2 | Acquired building area | 5.58 Sq.mtr. | 6.58 Sq.mtr. |
| 3 | Building height | 2.20 m (Average) | 2.20 m (Average) |
| 4 | Basic rate adopted | Rs. 16,000.00 | Rs. 16,000.00 |
| 5 | Difference in height | Rs. 16,000.00 | Rs. 16,000.00 |
| 6 | 2.90-2.20 = 0.70 (G.F) | Rs. 781.00 (-) | Rs. 781.00 (-) |
| 7 | 0.70.3 x 235 = 781.05 | Rs. 15,818.34 | Rs. 15,818.34 |
| 8 | Water sanitary services 4% | Rs. 632.73 | Rs. 632.73 |
| 9 | Electrical services 5 % | Rs. 940.10 | Rs. 940.10 |
| 10 | External services 4 % | Rs. 632.73 | Rs. 632.73 |
| 11 | Total | Rs. 17,400.17 | Rs. 18,032.90 |
| 12 | Cost index rate for 01-04-2019 113/100x total | Rs. 19,662.19 | Rs. 20,377.17 |
| 13 | Less: 35% & 25 % | Rs. 6,881.76 (-) | Rs. 5,094.29 (-) |
| 14 | Less: cost of RCC roof 26 % | Rs. 5,112.16 (-) | Rs. 5,298.06 (-) |
| 15 | Less: drilled tiles flooring Rs. 370.00 (+) (Weightage) Rs. 1,504.08 KSRB, S.R. 2018-2019 Page No. 109, Item 14.45 | Rs. 7,968.27 | Rs. 8,930.74 |
| 16 | total | Rs. 373.68 (+) | Rs. 373.68 (+) |
| 17 | Add A.C. sheet Rs. 348.00 + 8% weight age 373.68 KSRB, S.R. 2018-19 Page No. 48, Item 5.5 | Rs. 373.68 (+) | Rs. 373.68 (+) |



Y.V. THIMMA RAJ, BARCH, FIA, FIV
ARCHITECT & REGISTERED VALUER
CAT-1 / REG. No. 7 / CC-1 / 2001-02

Abstract

| | | Replacement Value(Rs.) | Fair Market Value(Rs.) |
|----|-------------------------------|---------------------------|---------------------------|
| 1. | Part A Buildings - As Per LDA | Rs. 5,55,98,215.88 | Rs. 5,55,81,544.48 |
| 2. | Part C Amenities | --- | --- |
| 3. | Part D Services | Rs. 25,96,383.51 | Rs. 19,21,581.10 |
| | TOTAL | Rs. 5,79,94,499.39 | Rs. 5,75,02,705.58 |
| 4. | Part B Buildings - As per LOC | --- | --- |
| | TOTAL | Rs. 5,79,94,499.39 | Rs. 5,75,02,705.58 |
| | | Say Rs. 5,79,94,499.00 | Say Rs. 5,75,02,706.00 |

PART E - CERTIFICATE

- The Fair Market Value of the above Structure (property) with the existing conditions and specifications in my opinion is **Rs. 5,25,02,706.00** (Rupees: Five Crore Twenty Five Lakhs Two Thousand Seven Hundred Six only) as on the date on which valuation is made, to the best of our knowledge and belief.
- The relevant document for the subject property referred P.A.RCBOT dated 01-04-2019.
- The property was inspected by me personally on 21-01-2020. I have no direct or indirect interest in the property valued, except for the Valuation Charges.

Place: Bangalore
Date: 15-02-2020.

Signature of Registered Valuer with name and Seal

Enclosures:

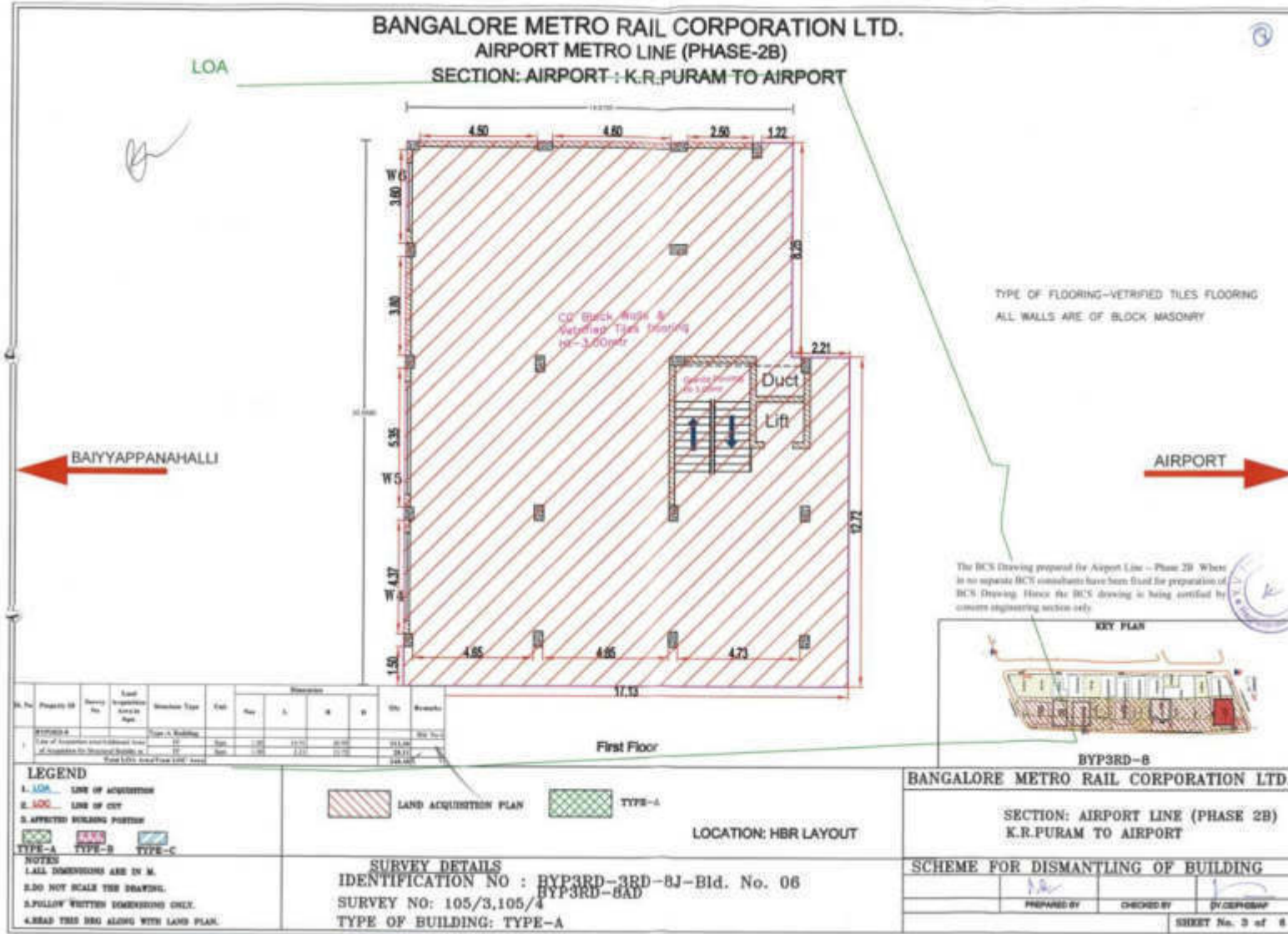
1. Calculation Sheet/Work Sheet

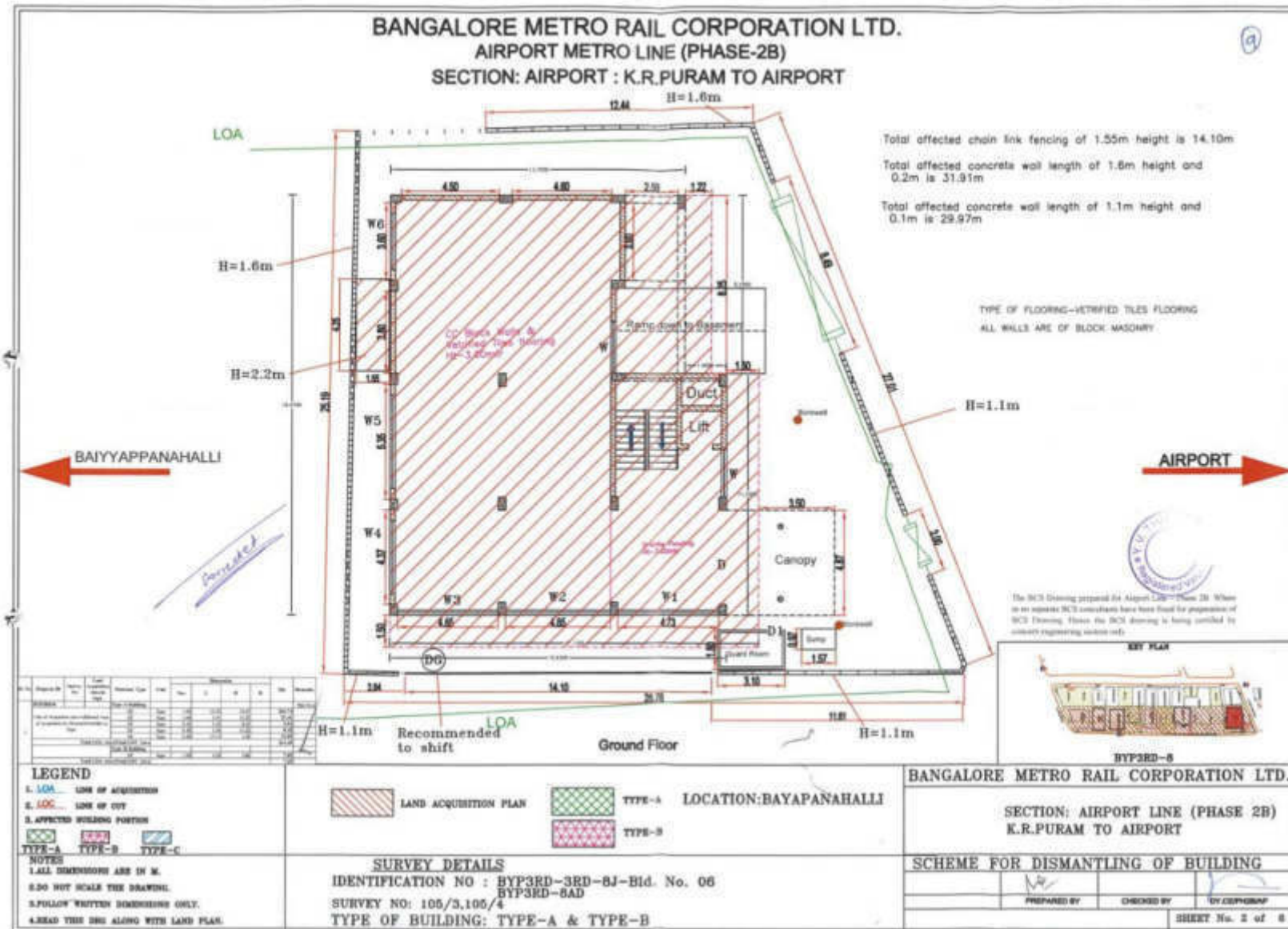
- Plinth Area Calculation
- Arrival of Basic Rate(As per CPWD plinth area rates)
- Item wise calculation for Amenities, Services and Extra items

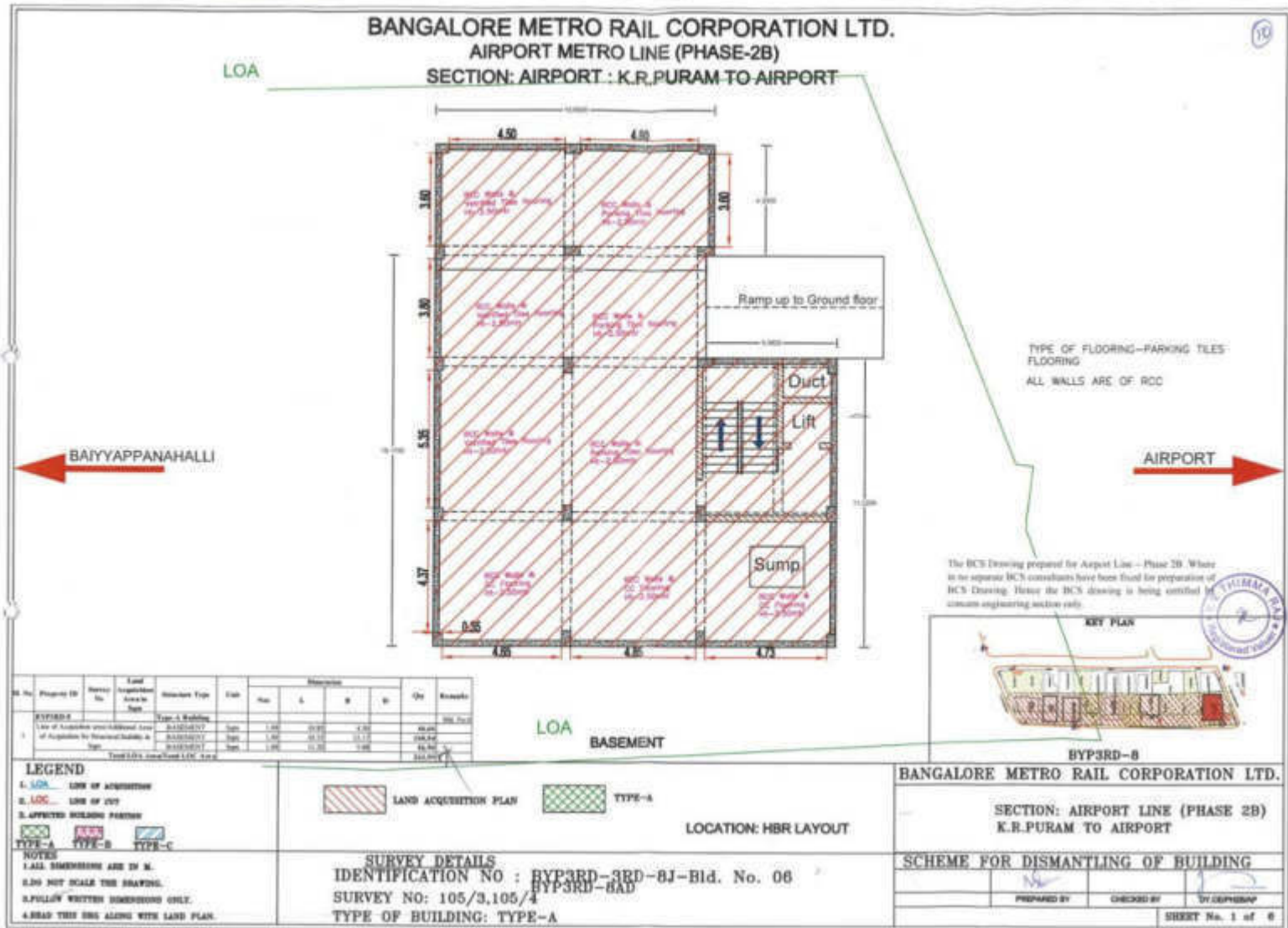
2. Color Photo's

3. Sketch/Plan of the building.











ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲ್ ನಿಗಮ ನಿಯಮಿತ

(Kalyanji - Karmachari Kalyanji Karmachari)
Karmachari Karmachari, Mr. Karmachari, Karmachari
Karmachari - 988 827, 9888

Bangalore Metro Rail Corporation Ltd.

(A Joint Venture of Government of Karnataka & Government of India)

Regd. Office : B.M.T.C. Complex, 3rd Floor, K.H. Road, Shanthinagar,
Bangalore - 560 027. INDIA

No.BMRCU/ED-1/AP Line/VALN/2019/9042

Date: 02.01.2020

Shri. Y.V. Thimmaraj,
No.9,14th Cross, Cubbonpet,
Bangalore-560027,
Ph: 9341835780.

Dear Sir,

Sub: Valuation of Structures/ Buildings proposed to be acquired by BMRCL in Phase2B, Airport Metro Line (from K R Puram to Airport Terminal).

The Fair Market Value (FMV) of structures / Buildings as existed on the date of preliminary notification is required to be determined for offering compensation to property owners for consent award.

1. You are required to estimate the Fair Market Value (FMV) of all the Buildings/ Structures for the properties as per CPWD norms. The plinth area rates and cost index method '2019', detailed in CPWD norms are to be adopted in arriving FMV.
2. You are requested to carry out the valuation of the Buildings/Structures of the properties bearing property identification numbers mentioned below:

| | |
|------------------------------|--|
| Property Identification Nos: | <p>Sayapannahalli, HRBR Layout, Kalsayan Nagar: Properties bearing identification Nos</p> <p>BYP - 3RD - (7/7AD) A, B, D. BYP - 3RD - (8/8AD) J ARP - HRBR - 1, ARP - KLN - 4. <i>ARP - VRF - 5A</i></p> <p>Total:07</p> |
|------------------------------|--|

3. In order to facilitate identification of the properties, the following documents will be provided as and when required.
- Copy of plan showing location of property proposed to be acquired.
 - Joint measurement details-A sketch showing details and the area of the property proposed to be acquired and the adjacent Properties.
 - Copy of Gazette Notification (28/1) dated 21.06.2019
 - Details of the property to be acquired.



PROPERTY No. BYP-3RD-SJ-BLD No.06



SY NO 105 & 106, BANASWADI VILLAGE, MAHADEVAPURA HOBLI,
BANGALORE EAST TALUK, BANGALORE URBAN DISTRICT.

