

Surface Report

1-Most Number of Discrepancies found in districts- DISTRICT_NAME

Banaskantha 19.0

Junagadh 10.0

Narmada 8.0

Bhavnagar 6.0

Morbi 5.0

Name: DISCREPANCY_S, dtype: float64

2-Least Number of NQM inspection- DISTRICT_NAME

Morbi 0

Porbandar 0

Jamnagar 0

Devbhumi Dwarka 0

Dangs 0

Name: NQM_INSP_COUNT, dtype: int64

3-Least Number of SQM inspection- DISTRICT_NAME

Devbhumi Dwarka 4

Botad 10

Porbandar 16

Gir Somnath 25

Bharuch 25

Name: SQM_INSP_COUNT1, dtype: int64

4-Number Of Discrepancies in last 5 years- SANCTION_YEAR

| | |
|-----------|------|
| 2013-2014 | 9.0 |
| 2016-2017 | 10.0 |
| 2017-2018 | 5.0 |
| 2018-2019 | 12.0 |
| 2020-2021 | 58.0 |

Name: DISCREPANCY_S, dtype: float64

5-Number Of Discrepancies Levelwise- DISCREPANCY_LEVEL

| | |
|--------|---|
| Medium | 3 |
|--------|---|

| | |
|------|---|
| High | 4 |
|------|---|

| | |
|-----|----|
| Low | 88 |
|-----|----|

| | |
|----------------|-----|
| No Descripancy | 353 |
|----------------|-----|

Name: DISCREPANCY, dtype: int64

NOTE- 1-All The Results are based On a Deep Learning Model of 99.91% Accuracy

2-Discrepancies are Found on the basis of comparison between NQM and SQM

Detailed Report

DISCREPANCY 0 :

STATE: Tamil Nadu

DISTRICT: Ariyalur

BLOCK: Andimadam

SANCTION YEAR: 2015-2016

PACKAGE NUMBER: TN3090

ROAD NAME : L060-Silambur to Thirukonam road (VR2180)

ROAD LENGTH: 5.4

NQM Inspection count: 1

NQM Grading: Unsatisfactory

NQM Name: Dange Pradeep Bhaskar rao

NQM Inspection date: 24-09-2016

Status: In Progress

Start Chainage: 1

End Chainage: 4.0

SQM Inspection count: 11

SQM Grading: satisfactory

SQM Name: Durairaj Kumaraswamy

SQM Inspection date: 23-02-2016

Status: In Progress

Start Chainage: 0

End Chainage: 5.4

Discrepancy item(s): Geometrics Base Course-Water Bound Macadam Cross Drainage Works

DISCREPANCY 1 :

STATE: Tamil Nadu

DISTRICT: Ariyalur

BLOCK: Ariyalur

SANCTION YEAR: 2016-2017

PACKAGE NUMBER: TN1165

ROAD NAME : poyyathanallur - illupaiyur

ROAD LENGTH: 5.52

NQM Inspection count: 2

NQM Grading: Unsatisfactory

NQM Name: Sharma Deputy Lal

NQM Inspection date: 26-08-2018

Status: Maintenance

Start Chainage: 0

End Chainage: 5.5

SQM Inspection count: 7

SQM Grading: satisfactory

SQM Name: C Duraisamy

SQM Inspection date: 17-02-2018

Status: Maintenance

Start Chainage: 0

End Chainage: 5.5

Discrepancy item(s): Maintenance Shoulders

DISCREPANCY 2 :

STATE: Tamil Nadu

DISTRICT: Ariyalur

BLOCK: Ariyalur

SANCTION YEAR: 2015-2016

PACKAGE NUMBER: TN3082

ROAD NAME : L073-AS road to Ameenabath road (VR2041)

ROAD LENGTH: 1.325

NQM Inspection count: 1

NQM Grading: Unsatisfactory

NQM Name: Dange Pradeep Bhaskar rao

NQM Inspection date: 23-09-2016

Status: In Progress

Start Chainage: 0

End Chainage: 1.325

SQM Inspection count: 2

SQM Grading: satisfactory

SQM Name: Y CHRSTDHAS

SQM Inspection date: 24-08-2016

Status: In Progress

Start Chainage: 0

End Chainage: 1.325

Discrepancy item(s): Base Course-Water Bound Macadam Cross Drainage Works

DISCREPANCY 3 :

STATE: Tamil Nadu

DISTRICT: Ariyalur

BLOCK: Ariyalur

SANCTION YEAR: 2015-2016

PACKAGE NUMBER: TN3083

ROAD NAME : L063-AA road to Kayarlabad road (VR2066)

ROAD LENGTH: 1.25

NQM Inspection count: 1

NQM Grading: Unsatisfactory

NQM Name: Suresh Chandra Sharma

NQM Inspection date: 14-12-2018

Status: Maintenance

Start Chainage: 0

End Chainage: 1.25

SQM Inspection count: 6

SQM Grading: satisfactory

SQM Name: Thiruppathy Chithan

SQM Inspection date: 29-08-2017

Status: Maintenance

Start Chainage: 0

End Chainage: 1.25

Discrepancy item(s): Geometrics Base Course-Water Bound Macadam Road Furnitures
And Markings Maintenance Shoulders pavement

DISCREPANCY 4 :

STATE: Tamil Nadu

DISTRICT: Ariyalur

BLOCK: Ariyalur

SANCTION YEAR: 2014-2015

PACKAGE NUMBER: TN3086

ROAD NAME : L047-Karuppur Poiyyur - Oriyur - Nanangur road to Puthur road (VR2067)

ROAD LENGTH: 1.125

NQM Inspection count: 1

NQM Grading: Unsatisfactory

NQM Name: Suresh Chandra Sharma

NQM Inspection date: 14-12-2018

Status: Maintenance

Start Chainage: 0

End Chainage: 1.125

SQM Inspection count: 5

SQM Grading: satisfactory

SQM Name: Muthuvalliappan M

SQM Inspection date: 22-02-2017

Status: Maintenance

Start Chainage: 0

End Chainage: 1.125

Discrepancy item(s): Geometrics Base Course-Water Bound Macadam Road Furnitures
And Markings Maintenance Shoulders pavement

DISCREPANCY 5 :

STATE: Tamil Nadu

DISTRICT: Ariyalur

BLOCK: Jayamkondam

SANCTION YEAR: 2016-2017

PACKAGE NUMBER: TN1166

ROAD NAME : Meensurity - Kuttakkarai

ROAD LENGTH: 1.0

NQM Inspection count: 2

NQM Grading: Unsatisfactory

NQM Name: Sharma Deputy Lal

NQM Inspection date: 26-04-2018

Status: Maintenance

Start Chainage: 0

End Chainage: 1.0

SQM Inspection count: 7

SQM Grading: satisfactory

SQM Name: Thangaraj D

SQM Inspection date: 25-11-2017

Status: Maintenance

Start Chainage: 0

End Chainage: 1.0

Discrepancy item(s): Shoulders

DISCREPANCY 6 :

STATE: Tamil Nadu

DISTRICT: Ariyalur

BLOCK: Jayamkondam

SANCTION YEAR: 2014-2015

PACKAGE NUMBER: TN30105

ROAD NAME :

MRL12-Meikavalputhur-Veeracholapuram (via) Mendevanallur road

ROAD LENGTH: 3.0

NQM Inspection count: 1

NQM Grading: Satisfactory

NQM Name: Prakash Anugrah

NQM Inspection date: 16-09-2018

Status: Maintenance

Start Chainage: 0

End Chainage: 3.0

SQM Inspection count: 4

SQM Grading: Unsatisfactory

SQM Name: Muthuvalliappan M

SQM Inspection date: 11-08-2018

Status: Maintenance

Start Chainage: 0

End Chainage: 3.0

Discrepancy item(s): Base Course-Water Bound Macadam

Corrective Measure

Discrepancy: Maintenance of Road

Corrective Measure: Rain Cuts: Restore using proper backfilling and compaction. Use geotextiles if necessary for stabilization. Vegetation: Regularly trim branches, shrubs, and grass. Ensure clear visibility for road users and prevent obstruction of traffic signs.

Discrepancy: Making up of Earthen Shoulders

Corrective Measure: Ensure proper grading and compaction to match the road level. Regular maintenance is needed to prevent erosion.

Discrepancy: Condition of Pavement

Corrective Measure: Potholes: Fill with appropriate materials (asphalt or concrete) followed by compaction. Patch Repairs: Use a cut-and-patch method for larger areas, ensuring the patch is well integrated with the existing pavement.

Discrepancy: Road Furniture and Markings

Corrective Measure: Regularly repaint road markings. Maintain visibility and positioning of road furniture.

Discrepancy: Geometrics

Corrective Measure: Regularly assess and maintain road alignment, curvature, and gradients to meet design standards.

Discrepancy: Base Course - Water Bound Macadam (WBM)

Corrective Measure: Regularly inspect for surface evenness, and presence of potholes or ruts. For repairs, remove the loose material, re-grade and re-compact the area.

Discrepancy: Cross drainage works

Corrective Measure: Regular cleaning to prevent blockages. Structural inspection and repair of any damages to maintain functionality. In case of significant damage, reconstruct the affected area with fresh WBM layers, ensuring proper gradation of aggregates and adequate binding with stone dust or fine aggregates. Ensure proper water drainage to avoid water logging which can weaken the WBM structure. ... (more discrepancies and corrective measures)