Pg-no-283

कार्यपालक अभियता का कार्यालय ग्रामीण कार्य विभाग कार्य प्रमंडल, उदाकिशुनगंज पत्रांक १६ ३०% विचांक २८ / १२ / १२ / २०१८

प्रेषक:-

कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल उदाकिश्नगंज।

सेवा में,

सचिव. ग्रामीण कार्य विभाग, बिहार पटना।

विषय:-

दिनांक 28.12.18 को आवंदित निर्माणाधीन पथों का निरीक्षण कर दिनांक 29.12.18 को अपराह्न 5.00 बजे तक निरीक्षण प्रतिवेदन उपलब्ध कराने के संबंध में।

प्रसंग:-

मवदीय कार्यालय पत्रांक 1106 अनु0 दिनांक 26.12.18

महाशय,

उपर्युक्त विषयक के संदर्भ में सूचित करना है कि दिनांक 27.12.18 को आवंटित निर्माणाधीन पथों का निरीक्षण कर दिनांक 28.12.18 को निरीक्षण प्रतिवेदन इस पत्र के साथ समर्पित की जा रही है। सूचनार्थ एवं आवश्यक कार्रवाई हेतु समर्पित।

विश्वासभाजन,

ग्रामीण कार्य विभाग कार्य प्रमंडल उदाकिश्नगंज E E Udala Format 1- Part 1

Format for information to SQM for Inspection of PMGSY Work

PART I- Work Information (To be filled-up by PIU)

Work is Ongoing Completed.

| 2 - Joseph Gred | |
|---|------|
| GENERAL: Date of Inspection: DD MM YY 1.1. Date of State Quality Monitor: 1.2. Name of State Quality Monitor: 1.3. District: Name of Road: From Losi-Perchange to Contact of the Parameter of the Contact of the | ٠, ٢ |
| 1.6. Length:Km Flexible Pavement,Km. CC/other Pavementm. = Tolu | ch |
| TotalKm 1.7. Estimated Cost (As cleared by GOI): Rs. 1.0 5, 68,27 Lakh | |
| 1.8. Technical Sanction Cost: Rs. 1105, 6812 Lakh | |
| 1.9. The Work is a Case of: New connectivity Up gradation | |
| 1.10. Terrain Plain Rolling Hilly | |
| 1.11. Date of Start of the Work: 26 12 17 | |
| 1.12. Stipulated Date of Completion: 25 12 16 | |
| 1.13. Actual Date of Completion (if work completed): | |
| PROGRAM PROGRAMS (I | |

2. PHYSICAL PROGRESS: (In case of On going works only) Construction Programme and Physical Progress:

| T4 | [C1-4-1 | D . C | T 0' 1 | la 1.: | D 1 |
|-------------------------|--------------------|------------|----------|--------------|-------------|
| Item | Completed | Dates for | Start | Completion | Delay in |
| | percentage of Item | completion | Date | Date | Months · |
| Earth Work | 70.1 | Due . | | | |
| | | Actual | | | |
| CD Works | 1004, | Due | 1 | e <u>- 0</u> | · · · · · · |
| | | Actual | | | |
| Sub base i/c | 1 | Due | | | |
| Shoulders | 1001 | Actual | , | | · |
| Base Course (Non Bitu.) | 1001. | Due | , el 1ei | 10 | |
| Base /Wearing | | Actual | | | |
| Course | | Due | | | |
| CC Pavement | Mot Dane | Actual | | <u> </u> | |
| oo i avement | | Due | | · · | |
| Signage etc | | Actual | | | |
| 0B0 CIG | | Due | | | |
| | | Actual | | | |

- QUALITY CONTROL: 3.
 - Location of Field Laboratory:
 - Quality Control Register Part-I is maintained by: 3.2.
 - 3.3. Quality Control Register Part-II is maintained by:
- 3.3. Quality Control Res.

 4. INSPECTIONS BY NQM, SQM or SENIOR OFFICERS AND ACTION

TAKEN:
Inspection by NQMs, SQMs and senior (i.e. SE or CE) departmental officers and action

| Date of Visit | Inspected By | Observations | Action Taken by PIU with |
|---------------|-----------------|--|--|
| 1 27 | H \$ 114. 6 | | Date Date With |
| 1.21 | F | | |
| 27.12 | 54541 | | |
| 118 | 12 | _ 5Pl — | A Victorian Strategy |
| | | The state of the s | A CONTRACTOR OF THE CONTRACTOR |
| | b7. | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | The Managhard Process of the Control |
| | | 10 3 10 3 10 10 10 10 10 10 10 10 10 10 10 10 10 | Page Bargar Stranger |
| | ewi tine. | | |
| | | | |
| | | | |
| | | | enterente de la companya del companya de la companya del companya de la companya del companya de la companya de la companya de la companya del companya de la companya del companya de la companya de la companya de la companya de la |
| | No. | | and the anyone areas |
| | | | |
| | | | |
| | | | |
| | | | The file of the company of the compa |

Name and Signature of the Head of PIU, Date:

Format 1- Part II

Report of State Quality Monitor (SQM) PART II- Observations of SQM for Ongoing/Completed Work

(To be filled-up by SQM, use additional sheets, if required.)

Stage of Work:

TING OUT AND WORKING DRAWING: For all stages of work

| #. | Bench marks @ 4 | Marks | Whether Center Line of Carriage Way accurately established and referenced with Marker Pegs and Chainage Boards (Y/N) | prepared Want |
|----|--------------------|-------|--|---------------|
| | 7 | 200 m | 7 | 4 |

Grading: Grade: 8 SRI U If this item is graded SRI/U, write clear reasons and suggestions for improvement:

SITE CLEARANCE AND GRUBBING: For Stage I of Work 2.

| # | as per DPR and Material obtained is being disposed off | scarifying existing work | Name the reusable material obtainable from clearance or scarification and indicate approximate quantity and its re-use by the PIU. |
|---|--|--------------------------|--|
| | | | |

Grading: Grade S SRI If this item is graded SRI/U, write clear reasons and suggestions for improvement:

3. QUALITY ARRANGEMENTS AND ATTENTION TO QUALITY - For all

stages of work
Observations about Field Laboratory:

| # | Whether laboratory | | List avail | the able | equipm | - 1 | per | requ | ireme | ent, c | of wor | rk . |
|---|--------------------|------|---------------|-------------|--------|-----|--------------|------|-------|--------|--------|-------|
| | Established (| Y/N) | | | | | avai (Y/N | able | and | are | being | used. |
| | H | | | <u> </u> | | | · : ; | M | | • | | |

Observations about Mandatory Tests - Detail out the quantities of various items of works and list the tests required. (Refer to abstract of QC Register Part-I)

| # | Item of Executed | Work | Quantity | Name of Test | No. requi | | Conducted |
|-------------------|---|---------------|-----------------------|-----------------------------|--------------|--|--|
| - | | | 1000000 | rights block | | | PIU/Contracto |
| - | | 1036 | Let Albania | | 1 | | |
| _ | | | | | - | | |
| <u> </u> | | | 1,1,4,10-7 | | 27-17 | | ger an resilient blinder. |
| 21 | | 4 | | 1 | ! | - 12 R | |
| \vdash | | | | - | 2 10 11 | | wo |
| 1 | in the | 0.000 | 460 1000 | | A | vert | |
| - | | . 19 | | 401 | 4 | | A SUSPERIOR OF |
| \dashv | | 123 | 100 | 9 | | | 1 O 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| - | | | - | | | | 4-200 |
| \rightarrow | | | Gily a | Harris III. | 18. " | 1 1 1 1 | · / 186 / 1/3 |
| | | | | | | - 37 | |
| | 6. | 2 | | | | | A STATE OF THE STA |
| | | 10.39 | | | | 10.1 | A STATE OF THE STA |
| | | 7.5 | disease by | the state of the state of | · | | MUMA |
| | | · | , | | | | |
| qua | sed on intities whe | executed | d Whether | r QC Register | Part | W. | COMP. |
| mai con | antities whendatory ducted. Yes Partly | ther al | I mainta provision | QC Register ined as per ns. | | Whether Qour maintaine results mon provisions. | C Register Part ed and test itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |
| qua mai con | antities whendatory ducted. Yes Partly | ther al tests | I mainta provision | Partly No | I | orovisions. Yes | itored as per |

GEOMETRICS: The SQM should take at-least two measurements in 1 Km length and if it is found that the roadway and carriageway is inadequate SQM may take more observations:

Observations -Road way width, Carriage way and Camber.

| 50/14 | | | • | G - 1: 2 | Cuimb | | * . |
|------------|-------------------------|------------------------------|----------------|------------|-------------------------|------------------------------|----------------|
| Ref. RD | Roadway Width (m) | Carriage way Width (m) | Camber in % | Ref. RD | Roadway Width (m) | Carriage way Width (m) | Camber in % |
| 250 | 6.00 | 3.75 | 3:5 | | | Harris Tra | <u> </u> |
| | | | | | | | |
| 100 | 6.00 | 3175 | 3-54 | 1 | | | |
| | | 1 | | | | | |

Observations - Super-elevation and Extra Widening at curves.

| Ref RD | Super Elevation | Extra Widening provided (Y/N) | Ref. RD | Super Elevation | Extra Widening provided (Y/N) |
|-----------|--------------------|-------------------------------|---------|--------------------|-------------------------------|
| 550 | 6.54 | 7 | - | | |
| | | - + | | - · · | , |
| | - | | | | 3 |

| Grade: S U | If this item is graded U, write clear reasons and suggestions for |
|--------------|---|
| improvement: | |
| | |
| | |
| | |

OBSERVATIONS REGARDING THE QUALITY OF ITEMS OF WORK:

Observations - Quality of Material for Embankment/ Sub-grade:

| Obser | vations -Quality | On Visual Classification identify | Quality of material is |
|-------|------------------|---|------------------------|
| # | Location (RD) | On Visual Classification the Group Symbol and write | acceptable. (Y/N) |
| | 1 | Mon | |
| | | blush'c | 1 |
| | | N.Pa | |
| | 3000 | | |
| | | | : |
| | | | |

| | | \$ | ے : | = | | |
|-----|-------------------------|--|-------------------|---------------------------------|----------------|---|
| | - | | | | | |
| | | | | | | |
| | | | | | | |
| Ob | servation – | -Workmanship | for Emba | nkment and | Sub-grade Co | ingten et: |
| # | Location | MDD kN/m ³ | | | g. nac C(| matruction: |
| | (RD) | (As per | Field Moisture | 771.11 | Degree of Con | npaction |
| | | record) | Content | Field Dens kN/m ³ | ity Dry Dens | sity Compaction |
| | | | | KIVIII | kN/m³ | adequate. (Y/N) |
| | 3 | | | | | |
| 7 | | | | | 641 | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |
| 7 | | - 44 | May | - 70 | nie a | 1 |
| - 1 | | to the second | to u | man. | 1 | |
| + | | | | | | 1 00 |
| 1 | | | | 3.00 | it cip 1- | 07 |
| 1 | | | | 291 | were the | and the same |
| | ide: S | U If this iter | | Egr | y wood | net. |
| | ade: S rovement: | U If this iter | | Egr | y wood | net. |
| | | U If this iter | | Egr | y wood | aggestions for |
| | | U If this iter | | Egr | y wood | net. |
| | | U If this iter | | Egr | y wood | net. |
| | | U If this iter | | Egr | y wood | net. |
| npı | rovement: | | n is graded | Egr | y wood | net. |
| npı | rovement: | | n is graded | Egr | y wood | net. |
| npı | vation – Sid | e slopes and p | n is graded | U, write clear | y wood | net. |
| npı | rovement: | e slopes and p | n is graded | U, write clear | reasons and si | aggestions for |
| npı | vation – Sid | e slopes and p | n is graded | U, write clear | reasons and si | aggestions for |
| npı | vation – Sid | e slopes and p | n is graded | U, write clear | reasons and si | aggestions for |
| npı | vation - Sid Location (| e slopes and process and process (RD) Whether Satisfac | n is graded | U, write clear | reasons and si | aggestions for |
| npı | vation - Sid Location (| e slopes and process and process (RD) Whether Satisfac | n is graded | U, write clear | reasons and si | aggestions for |
| npı | vation – Sid | e slopes and process and process (RD) Whether Satisfac | n is graded | U, write clear | reasons and si | aggestions for |
| npı | vation - Sid Location (| e slopes and process and process (RD) Whether Satisfac | n is graded | U, write clear | reasons and si | aggestions for |

Observations - Earth work in Hilly/Rolling terrain or high Embankments:

| # | Location (RD) | Cut Slopes & Profile, whether appears to be stable. (Y/N) | Adequate slope protection works executed. (Y/N) | Formation is properly dressed and traffic worthy. (Y/N) |
|---|------------------|---|---|---|
| | | | | |
| | | - H. V | | |

Observations - Longitudinal Gradient in case of road in hilly/rolling terrain:

| Ref. Between RD& RD | Longitudinal Gradient | S/U | Ref. Between RD& RD | Longitudinal Gradient | S/U |
|---------------------|--------------------------|-----|---------------------|--------------------------|-----|
| | | | 4-2 | | 7 |
| AMERICA. | | 7 | . 14 | | |
| | | | | | |

| Grade: S U | If this item is graded U, write clear reasons and sugg | estions for |
|--------------|--|-------------|
| improvement: | | |
| | | 100 |

6. Sub-Base:

Observations - Quality of Material and Workmanship:

| Location Confirms (RD) to Grading. (Y/N) | Suitable from plasticity angle. (Y/N) | Whether compaction is adequate. (Y/N) | Observed Thickness of Layer (in mm) | Prescribed Thickness provided (Y/N) |
|--|--|---------------------------------------|-------------------------------------|--|
| | (1/11) | | • | |
| | | | | |
| 350 4 | 7 | 7 | 200m | m 200~ |
| | , | (| | |
| | | | | |

| ١ ' | Grade: | 1 | | | | | |
|----------|--------------|-------------|--------------|-----------------|------------------|----------------|-----------------------|
| 1 | for improv | D | If this | item : | | clear reasons | |
| | ·γ | ement: | J | reciti is gra | ded U, Write | clear | |
| | | | . , | | | clear reasons | and a |
| | | | | | | | suggest. |
| | | | | | | | |
| | | * N. 186 * | | | Z.1 21 | | |
| | | | (94,44) | 1 | | | |
| - | | | | | > ← | | |
| | | - | • ' | , | | | |
| ~ | | | | | | | |
| 7. | Base Cou | irse: | | | | | *** |
| O | bservation | | | | | | |
| | and Aution | is- Quality | of Mate | | | • 4 | ٠, ٠ |
| # | Locati | - | - varel | $1aI$ and W_0 | rkmanchin - | CTV- | |
| - 100 | ~colation. | Thickness | Thickne | 1 | rkmanship o | WBM: | |
| | (RD) | of each | io | Aggregate | Ditt | | |
| | | layer of | adequate. | outilitms i | O motalia | Volume of | What |
| | | WBM | (Y/N) | Grading | non-plastic | filler | 1 410[[]6 |
| | | (mm) | (37.1) | (Y/N) | to desired | CIIai | adequat compaction |
| | | | | | extent. | percent of | is done. |
| \dashv | | 1 1 | | | (Y/N) | course | (Y/N) |
| | 320. | 75 | | | | aggregate | _ ``` |
| 7 | m | 1 > | _] | . 4 | | 2. | - 3 |
| + | | ~~~ | | - | 7 | | 1.0 |
| | | | | · · | 1 | | |
| _ | | | | | | | |
| Oł | servation | S - Come | | | | | |
| eŗ | presentative | length of | e evenne | ss: Surface | OVI - | | - 4 |
| | presentative | Put Of C | ompleted v | WBM: | evenness in | about 200 | m |
| | | | | | | | "Critical |
| | | · I + | 15 | ~ RLi | 21 | | |
| | | | | , | and C | -9 | |
| | • | | 5 | cho | | 0 | |
| | | , | | | me | | |
| | | | | | | | |
| _ | ide: 8 | U. If t | his item: | | | 1 | |
| | rovement: | | -113 Item IS | graded U, v | vrite clear rene | lone | |
| | | | | | 1042 | sons and sugge | stions for |
| | 5.5 | | | | | | |
| | | | | | | | |
| | | | | | | | 1 |
| | , , , , , | 1 | | 5 | Mark | | 1 |
| | | r commen | | 5. | black | | |
| | | | | 5. 1 | - Harris | - | |
| | | | | 5. 1 | 51425 | | |
| | | | | 5. 1 | 100 | | |

8. Bituminous Course: Premix Carpet/Surface Dressing/BM/MPM etc including Seal Coat: Observations - Quality of Material and Workmanship of BT Layer (in case of ongoing works):

Observations about level of cleanliness of WBM surface prior to application of bituminous layer. (if work is ongoing observe the surface. If BT layer laid, assess by carefully removing the BT layer.):

Not Done,

Observations about Quality of Prime Coat and Tack Coat with respect to quality of material and workmanship - Visual Observation - if work is ongoing:

Mot Done

In case of PMC/RM/MPM/ Soal Coat

| # | Location (RD) | Whether Course Aggregate confirms to grading. (Y/N) | Whether the binder is of approved grade. (Y/N) | Write Mixing Temperature and whether it is in permissible limits. (Y/N) | Write Laying Temperature and whether it is in permissible limits. (Y/N) |
|---|------------------|---|--|---|---|
| | | | | | |
| | | . | | | 197.00 |
| | | | | !. | · .25a*542 |
| | | | gu, | 1 De | re |
| | | : : | | | |
| | | : | | | |
| | | | | | |

| - 1 | 12 | | • | | | clear rea | | |
|-----|--|----------------------------------|------------------------------------|---------------------|------------------------|---------------------------------------|--------------------------------|--------------------------------|
| - 1 | | | | | · · | | | |
| - 1 | ************************************** | | \sim | | | | | |
| . : | | i. alda | | | | | | |
| | | | | | | ~ | | |
| | | | | | | | | 1.0 |
| Ŀ | | | | | | | | |
| , | | | | | | : | | |
| • | Observations | s - Workman | nshin of | f RT lov | or DMCA | A A A A A A A A A A A A A A A A A A A | | |
| , | Observations works): Location | | damp of | DI, lay | er FMC/I | SWDWIPW. | 1 (in case | of comple |
| ١. | | • | Thick | ness | | Whath | OF 011-6 | |
| 1. | (RD) | Thicknes | | | hickness | within a | ccentable | evenness |
| | - | mm | is | adequat | e. (Y/N) | | ccchrante | e evenness limits. (Y/ |
| - | | : | | 7 | | | | |
| | | | | | | | | |
| | | | - | | | | | |
| | - | | | | | | | |
| | 74 | | | | | | | |
| _ | | 1 | 1 | | | | | |
| Gi | rade: S 1 | U If this | item is | graded (| J, write cl | ear reason | ns and su | ggestions fo |
| Gi | rade: S 1 | U If this | item is | graded (| J, write cl | ear reason | ns and su | ggestions fo |
| Gi | rade: S 1 | U If this | item is | graded (| J, write cl | ear reason | ns and su | ggestions fo |
| Gi | rade: S 1 | U If this | item is | graded (| J, write cl | ear reason | ns and su | ggestions fo |
| Gim | rade: S 1 | U If this | item is | graded (| J, write cl | ear reason | ns and su | ggestions fo |
| im | provement: | | | | J, write cl | ear reason | ns and su | ggestions fo |
| im | provement: | | | | J, write cl | ear reason | ns and su | ggestions fo |
| 9. | Observation | s - Quality (| of Shoul | | J, write cl | ear reason | ns and su | ggestions fo |
| 9. | Observation | s - Quality | of Shoul | lders: | | | | ggestions fo |
| 9. | Observation | s - Quality | of Shoul | lders: | Whether | quality | Two . | |
| im | Observation | s - Quality | of Shoul | Iders: | Whether of cor | quality | Whethe | r Shoulder |
| 9. | Observation | f Thickness of layer in | Wheth quality materiaccept | lders: ner y of the | Whether of cor workman | quality npaction | Whethe | r Shoulder |
| 9. | Observation | f Thickness of layer in | of Shoul | lders: ner y of the | Whether of cor workman | quality npaction | Whether being simultar | r Shoulder constructed |
| 9. | Observation | f Thickness of layer in | Wheth quality materiaccept | lders: ner y of the | Whether of cor | quality npaction | Whether being simultar with su | r Shoulder constructed neously |
| 9. | Observation | f Thickness of layer in | Wheth quality materi accept: (Y/N) | lders: ner y of the | Whether of cor workman | quality npaction | Whether being simultar with su | r Shoulder constructed |
| 9. | Observation RD of observation | Thickness of layer in mm | Wheth quality materiaccept | lders: ner y of the | Whether of cor workman | quality npaction | Whether being simultar with su | r Shoulder constructed neously |
| 9. | Observation RD of observation | f Thickness of layer in mm | Wheth quality materi accept: (Y/N) | lders: ner y of the | Whether of cor workman | quality npaction | Whether being simultar with su | r Shoulder constructed neously |
| 9. | Observation RD of observation | Thickness of layer in mm | Wheth quality materi accept: (Y/N) | lders: ner y of the | Whether of cor workman | quality npaction | Whether being simultar with su | r Shoulder constructed neously |

| | 10. | Cross Drainage | Works: Obser | rvations - Quality of CDs | s: |
|---|---------|---|-------------------|---|--|
| | # | RD at which CD is located | Type of CD | Whether quality of the material is acceptable. (Y/N) | Whether quality of workmanship is acceptable. (Y/N) |
| | | | | | |
| • | | | | | |
| | | | | | |
| | | | * | | politica primeros de la companya della companya della companya de la companya della companya del |
| | | rade: S SRI ggestions for impr | U If th | is item is graded SRI/U, | write clear reasons and |
| | 1 | | | | |
| | | | | | ************************************* |
| | | | | | |
| | | | | | |
| 1 | | Side Drains and | Catch water I | Prains: Observations: | |
| | # | Reference of RDs where side drain constructed. | | Whether general qualit of the side drains/ catch water drains acceptable. (Y/N) | 1- are integrated to |
| | | Nedes. | | | |
| | | 12 | | 1000 1000 | |
| | | | | | |
| Γ | | | | | |
| ı | | | | | |
| - | | | | | |
| | | | | | |
| | Grasugg | de: S SRI | U If this vement: | item is graded SRI/U, | write clear reasons and |
| | | | U If this vement: | item is graded SRI/U, | write clear reasons and |
| | | | U If this vement: | item is graded SRI/U, | write clear reasons and |
| | | | U If this vement: | item is graded SRI/U, | write clear reasons and |
| | | | U If this vement: | item is graded SRI/U, | write clear reasons and |

12. CC/ Semi-Rigid (SR) Pavements and Associated Pucca Side Drains:

| | Reference of | | Thi | ckness | General | General |
|--------|--------------------------------------|--------------------------------|--------------------|---------------------|---------------|--|
| | RDs, CC/SR Payements provided. | which observati on made. | Thickness in mm | Acceptable (Y/N) | | of quality is workmansh acceptable(N) |
| | | 1000000 | | | | |
| | | | | | , | |
| | | | | | | |
| \top | 1 | | .1 | | | |
| \top | | | | | | |
| | ments about | adequacy (| oi iace/main | walls, wings | and retaining | walls: |
| | | * | | | | |
| | ٠ | | | | 41 | 3 |
| | • | | | | | |
| | ·. | . (| | | | |
| | • | | | | | |
| | | - | | | • | |
| rade | : S U | If this it | em is graded | U. write clea | r reasons I | |
| | s U | If this it | em is graded | U, write clea | r reasons and | suggestions fo |
| | | If this it | em is graded | U, write clea | r reasons and | suggestions fo |
| | | If this it | em is graded | U, write clea | r reasons and | suggestions fo |
| | | If this it | em is graded | U, write clea | r reasons and | suggestions fo |
| | | If this it | em is graded | U, write clea | r reasons and | suggestions fo |
| | | If this it | em is graded | U, write clea | r reasons and | suggestions fo |
| | | If this it | em is graded | U, write clea | r reasons and | suggestions fo |
| | | If this it | em is graded | U, write clea | r reasons and | suggestions fo |
| | | If this it | em is graded | U, write clea | r reasons and | suggestions fo |
| rade | | If this it | em is graded | U, write clea | r reasons and | suggestions fo |

| and the | |
|---------|--|
| | |
| | Wat. |
| 1 | - Company of the Comp |
| - | |
| | 3. Road Furniture and Markings |
| 1 | |
| | Observations - Item No. 14 a: Quality Road Furniture and Markings: Wein Informatory Board Fixed: Yes No |
| | Main information |
| | Citizen Information Board Fixed: Yes No |
| - | |
| | Grade: S U If this item is graded U, write clear reasons and suggestions for |
| | improvement: |
| · · | |
| | |
| | - C |
| | |
| | |
| | |
| | |
| | Observations - Quality Road Furniture and Markings: |
| | 13.1.1. Logo Boards Fixed: Yes No |
| | |
| | 13.1.2. 200m. Stones fixed: Yes No |
| | 13.1.3. 1 Km. Stone fixed: Yes No |
| | 13.1.4. Guard Stones fixed on Curves: Yes No . |
| | - Contract of action |
| | 13.1.5. Mandatory and Cautionary Signage Yes No |
| ſ | Grade: S U If this item is graded U, write clear reasons and suggestions for |
| 1 | Grade: S U If this item is graded U, write clear reasons and suggestions for improvement: |
| 1 | implovement. |
| 1 | |
| | Lucio sapunto de la companya del companya de la companya del companya de la compa |
| | |
| | And the second of the second o |
| | |
| 1 | |
| | G 1 01 - C SON (help line the pharmations well live the |
| +0 | General Observations of SQM, (including the observations made during the interaction with PIU staff and Contractor's/ Consultant's Engineers): |
| | Interaction with Fito State and Contractor of Consultant & Engineers). |
| | 14.1. Observations about deficiency in project preparation (Give detailed |
| | observations about deficiencies in general and items which have been left but are |
| | required as per site conditions): |
| 1 | |
| | |
| | it is 0.1c. |
| | |
| - | 12 |
| | 12 |

14.2. Whether the work has been completed/is in progress as per programme or the delay has occurred. If delay has occurred, whether liquidated damages have been withhold or recovered:

There is delay.

14.3. Whether the work has been completed within the sanctioned cost, if not, what is the action taken by the PIU (in case of complete works):

Jes

14.4. Observations about the action taken by the PIU on the observations of inspecting officers including SQMs and NQMs. (Clearly offer comments about the action taken on the observations of Departmental Officers, State Quality Monitors and National Quality Monitors):

14.5. Comments about difference in observations made by NQMs/SQMs in earlier inspections (the NQM shall study the earlier inspection reports of NQMs / SQMs, if any and offer his clear comments about the differences in observations, if any).

Quality Grading of items and sub-items of work: The grading of every su

| 1 | Sub Item for Observation | 1 : | Stage of Tr | _ | TA | | |
|--|-------------------------------|---------|---|------------|-------------|--|---------------|
| | 2 | _ | Stage of Work | | Awardab | le | A |
| <u>. </u> | Item 1 8 | ote: | 3 | | Grades 4 | | Awa Gra |
| a | Bench Mark and Centre Line | - | ng Out and Working | Dr | ond- | | |
| b | Availability care | | All Stages | _ | | | |
| _ | Availability of Working. | • | | | S/SRI/U | Ī | |
| | | | All Stages | | | + | |
| | | | | _ | -8/SRI/U | : | 5 |
| _ | Item 2 - | - Si | Ifem Gra te Clearance and Grul | de | S/SRI/U | + | _ |
| a | Site Clearance and Grubbing | 7 | te Clearance and Grul | bi | no | | 5 |
| b | Re-use of Salvageable Materia | | Gtage-1 | _ | | | |
| | - Scaple Materi | al | Stage-I | - | S/SRI/U | | 3 |
| | | | | _ | S/SRI/U | | 5 |
| _ | Item | 3- | Item Grad | le. | S/SRI/U | | |
| a | Quality Arrangements | 1 | Quality Arrangement | s | | _ | _5 |
| b | Number of Man I | 4 | All Stages | | S/SRI/U | r ' | |
| _ | nequency | s | All Stages | 7 | 0/5/(1/0 | 5 | : |
| c | Maintenance of QC Registers | - | • | 1 | S/SRI/U | | 5 |
| | · | 1 | All Stages | 1 | S/SRI/U | _ | |
| | | _ | Item Grad | 1 | S/SRI/U | _ | 9 |
| | | Itei | m 4 - Geometrics | 1 | 5/5KI/U | | · · |
| a | Road way width | Ti | 2 per Km in every | _ | | | |
| | | i | inspection | | S/U | | |
| b· | Carriageway width | 2 | 2 per Km in every | + | | _ | 5 |
| c | Camber | +" | nspection | 15 | S/U . | , | 5 |
| | | 2 | per km | 10 | 7U | = | > |
| d | Super-elevation & Extra | ١, | | F | 70 | | 5 |
| _ | Widening at Curves | 1 | curve in each km | S | /U . | | _ |
| | | | | L | | - | > |
| | Item 5A - Earth Work a | - | Item Grade | S | U | _ | _ |
| | Item 5A - Earth Work a | · · · · | Sub-grade in Embank | me | nt/ Cutting | _ | |
| 4 | | | | _ | эчинд | <u>. </u> | |
| | duo-grade | km | Stage- II or III 1 - | S/ | ן ו | | |
| 0 | | | - · · | | | 3 | > |
| , | Compaction | In S | Stage-I, 2 per km/ Stage- II or III, 2 per | _ | | | |
| , | Side Si | km | 3 1. of 111, 2 per | J\2 | J | . 7 | 5 |
| 2 | Side Slopes and Profile |) ne | er km in Stage III | | | 1 | > . |

| | Item 5B - Earth Worl | k in Cutting in Hilly/Rolli | ng Terrain | |
|----------|---|--|------------|-----|
| a | Stability and Workmanship of Cut Slopes | Stage I and II, at 2 critical locations with maximum height of cutting in each km | S/U | |
| b | Adequacy of Slope Protection | All Stages - In general | S/U | |
| С | Upon completion of formation cutting, dressing, traffic worthiness | At Stage III, at 2 critical locations with maximum height of cutting in each km | S/U | |
| d | Longitudinal Gradient | Stage II/III - 1 critical and fairly representative stretch of 200m in each Km | S/U | |
| | | S/U | Tq 2 | |
| - | | Item 6 - Sub-Base | 'o | · ' |
| <u> </u> | Quality of Material | | | |
| a | Grain Size | In Stage- II or III, 1 per | S/U | 5 |
| - | Plasticity | km | 8/U | 3 |
| b | Compaction | In Stage- II or III, 1 per | S/U | 5 |
| d | Total Thickness of Layer | 2 per Km Item Grade | S/U | |
| | | | 5 | |
| | Item 7 - Base 0 | Course – Water Bound Ma | | |
| a | Grain Size of Course Aggregate | In Stage- II or III, 1 per | _8/U | 5 |
| t | Test for Liquid Limit and Plasticity Index in case fine aggregates are crushable type | km | S/U | 5 |
| | Volumetric Analysis for assessment of compaction of WBM | In Stage- II or III, 1 per | S/U | 5 |
| ! - | d Surface Evenness using straight edge | In completed WBM 2 tests par km | S/U | 5 |
| | Thickness of every layer of WBM. | 2 per Km | 8/0 | 3 |
| 1 | | Item (Frad | e S/U | 3 |

1)

| | Item 8 - Bituminous Layer | r - Premix Carpet (PM | C)/ Surface Dressia |
|-------|---|--|-----------------------|
| a | Level of cleanliness of WBM surface prior to application of bituminous layer | | S/U (SD) |
| b | Quality of Prime Coat/ Tack Coat with respect to quality of material and workmanship | l observation on the of inspection | day S/U |
| c . | Gradation Test for Course Aggregate (if the work in the item is ongoing)/visual observation in case of completed item of work | 1 test on the day of inspection | S/U |
| ď | Grade of bitumen and temperature at the time of mixing and laying (if the work in the item is ongoing) | l test on the day of inspection | S/U |
| e | Bitumen Extraction Test if PMC is complete | 1 test per Km | S/U |
| f | Thickness of layer | 2 per Km | S/U |
| g | Surface Evenness in case of completed BT work | 2 per Km | S/U |
| | | Item Grad | e S/U |
| | | Item 9 - Shoulders | |
| a | Quality of material for shoulders | In Stage- II or III, 1 test per Km | S/SRI/U |
| b | Degree of compaction | In Stage- II or III, 1 test per Km | S/SRI/U |
| c | Thickness of layer | In Stage- II or III, 2 tests per km | S/SRI/U |
| Ite | m Grade | | S/SRI/U |
| | tem 10 - Cross Drainage Works | s – Causeways of all spans | and Culverts upto 6 m |
| a | Quality of Material – Concrete, Stone/ brick masonry, Hume pipes including size etc. | All Stages | S/SRI/U |
| , | Quality of Workmanship such as positioning of pipes, wing walls, cushion over H Pipes etc. | All Stages | S/SRI/U |
| | | Item Grade | S/SRI/U |

| | Item 11 - Side E | Drain and Catch Water Dr | 4111A | |
|----|---|--|------------|---------------------------------------|
| | General quality of Side Drains/ Catch Water Drains and their integration with CDs. | All Stages | S/SRÌ/U | · · · · · · · · · · · · · · · · · · · |
| _ | our with a kind of the burling | Item Grade | S/SRI/U | |
| | Item 12 - CC/ Semi Rigid | Pavements and Associated | Pukka Drai | ns |
| · | Quality of Material - Concrete, Stone/ Concrete Block Pavement etc. | In Stage- II or III, 1 per | S/U : | |
| b | Strength of CC in Concrete Pavement/ Concrete Block Pavement | In Stage- II or III,1 per 100 m. Length of Pavement | s/U | |
| c | Quality of Workmanship — Wearing surface texture, Adequacy of setting of concrete, Joints, Edges etc. | In Stage- II or III | S/U | |
| d | Thickness of Layer | In Stage- II or III, 1 per 100 m. Length of Pavement | S/U | |
| | | Item Grade | S/U | |
| _ | Item 13 - F | Road Furniture and Marki | ngs | |
| а | Citizen Information Board, Main Informatory Board, | Stage-I | S/U | |
| .p | Logo boards, 200 m stones and | Stage III | s/Ù | |
| - | Whether the information in boards is given in local language. | Stage-I and III | S/U | |
| - | | Item Grad | e S/U | |

keg

17. Overall Grading of Work: The overall grading calculated on the basis of item and sub-item wise grading is given below:

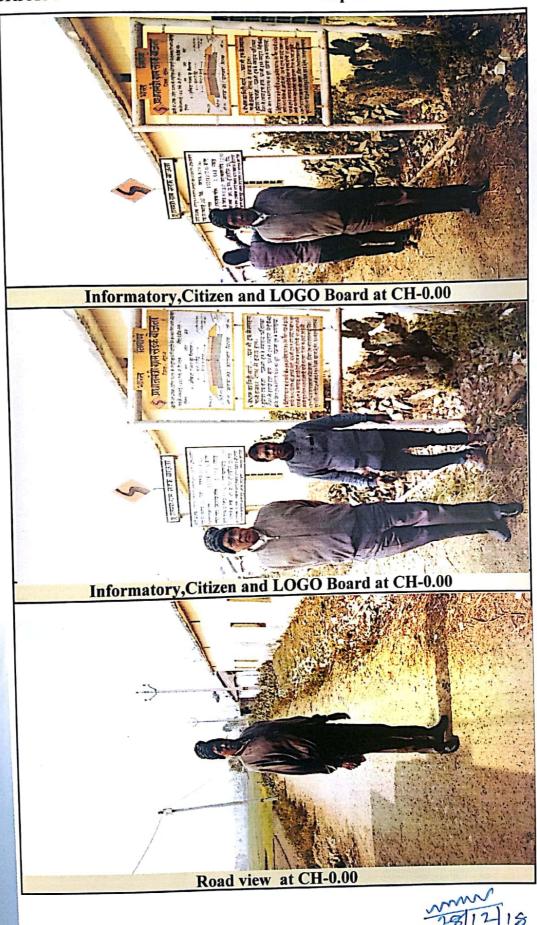
| | | | | |
|--------------------|--|------------------|--|--|
| Item No. | Sub Item for Observation | Awarded Grade | | |
| Item No 1 | Setting Out and Working Drawing | 3 | | |
| Item No 2 | Site Clearance and Grubbing | 3 | | |
| Item No 3 | Quality Arrangements | 5. | | |
| Item No 4 | Geometrics | 3 | | |
| Item No 5 AC | Earth Work and Sub-grade in Phibankments | | | |
| Item No 5 Beil | Earth Work in Clitting in Hilly Rolling Terrain | | | |
| Item No.6% 1-13 | Sub-Base 2137 Port of 15 to 15 | | | |
| Item No.7 | Base Gourse Water Bound Macadam v43 4 | | | |
| Item No 8 | Bitumilnous Layen—Premix Carpet (RMC)/ Surface Dressing (SD) | | | |
| Item No 9 | Shoulders | ·S | | |
| Item No 10 | Cross Drainage Works – Causeways of all spans and Culverts upto 6 m. span. | 3 | | |
| Item No 11 | Side Drain and Catch Water Drain | | | |
| Item No 12 | CC/ Semi Rigid Pavements and Associated Pukka Drains | _ | | |
| Item No 13 | Road Furniture and Markings | | | |
| Overall Grading 50 | | | | |

| Signature: | 2011-18 |
|------------|---------|
| Name: | 10.1 |
| Date: | |

ame of road :- L051 Ddevipur panchayat in Gamhariya koriyapatti Menar from kamat tola via laxmipur

keg No:-BR35R-144

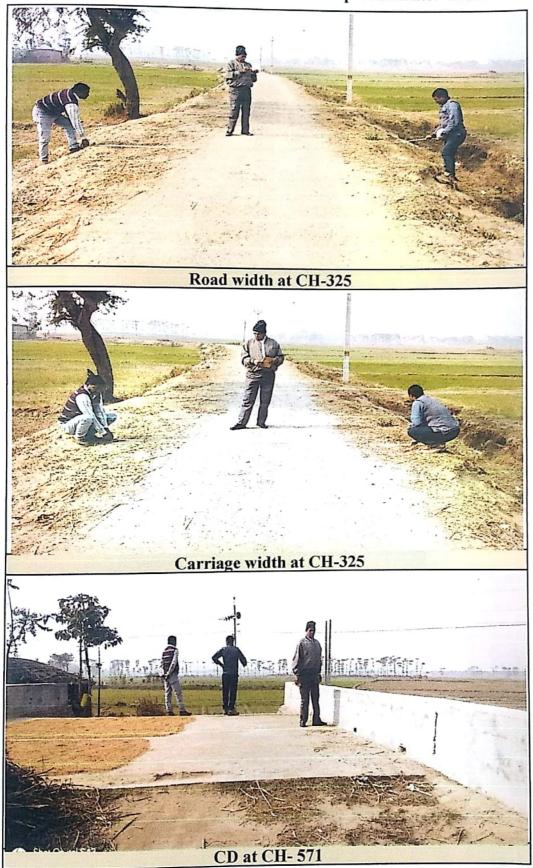
Inspection Date: - 27.12.2018



e of road :- L051 Ddevipur panchayat in Gamhariya koriyapatti Menar from kamat tola via laxmipur

g No:-BR35R-144

Inspection Date: - 27.12.2018

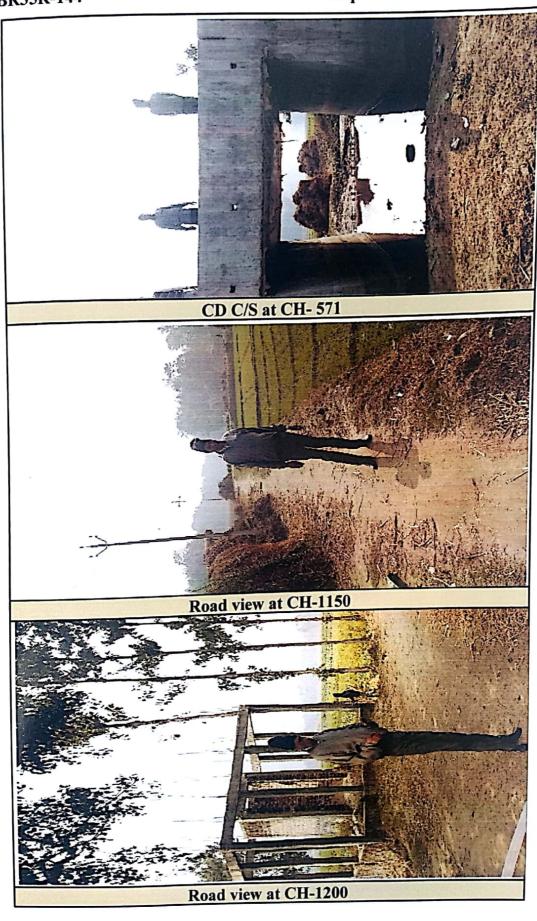


MMM 3.18

me of road :- L051 Ddevipur panchayat in Gamhariya koriyapatti Menar from kamat tola via laxmipur

ceg No:-BR35R-144

Inspection Date: - 27.12.2018



le of road :- L051 Ddevipur panchayat in Gamhariya koriyapatti Menar from kamat tola via laxmipur

Inspection Date: - 27.12.2018

