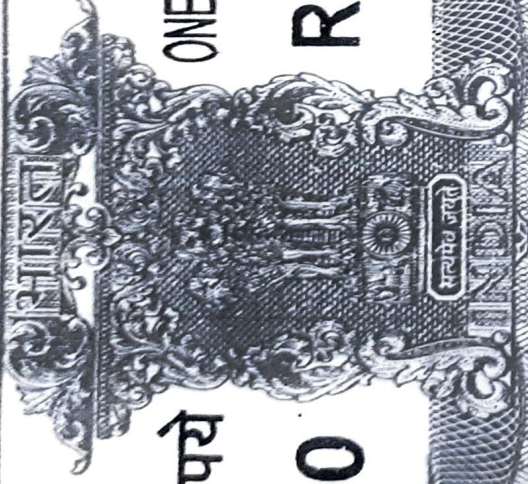


भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

रु.1000



ONE THOUSAND RUPEES

Rs.1000

बिहार BIHAR

AH-2738

सचिव, न्यायिक गैर न्यायिक

बिहार न्यायिक गैर न्यायिक

28 FEB 2020

## Standard Form of Agreement (PMGSY)

Rate Approved by Engineer-in-chief, RWD Letter No.BRRDA(HQ)-PMGSY-24/2020-  
Part-I—569/Patna Dt. 06.03.2020  
on rate below 10.00% (Rs. One Zero Point Zero Zero Percent Below)  
Agreement Value Rs. 87,96,404/- BOQ Value Rs. 97,73,783/-

Agreement No. : 87,96,404/-

This agreement, made the ..... Day of ..... between  
Executive Engineer., R.W.D., Works Division, Neemchak Bathani. (hereinafter  
called "the Employer") of the one part, and Kumar and Sons Construction Pvt.Ltd.,  
At.-Janakpur, Manpur, Dist.-Gaya (hereinafter called "the Contractor" of the other Part).  
Whereas the Employer is desirous that the Contractor execute Construction of Road &  
CD Work with Maintenance for Khizarsarai Rajgir Road To chiriyawan (BR-  
12R-25) in Atri Block, Tendra Id No. 86416, Length 1.70 Km. [name and identification  
number of Contract] (hereinafter called "the Works") and the Employer has accepted the Bid  
by the contractor for the execution and completion of such works and the remedying of any  
defects therein at a cost of 87,96,404/- (Rupees Eighty Seven Lakh Ninety Six  
Thousand Four Hundred Four) The Commencement of work is .....  
and Completion of date upto 12 (Twelve) Month i.e. ....

Const. Pvt. Ltd.

17/3/2020

**NOW THIS AGREEMENT WITNESSETH as follows :**

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the contractor hereby covenants with the Employer to execute and complete the works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz :
  - (i) Letter of Acceptance;
  - (ii) Notice to proceed with the works ;
  - (iii) Contractor's Bid;
  - (iv) Contract Data;
  - (v) Special Conditions of contract and General Conditions of contract;
  - (vi) Specifications;
  - (vii) Drawings;
  - (viii) Bill of Quantities; and
  - (ix) Any other document listed in the contract Data as forming part of the contract.

In witness whereof the parties there to have caused this Agreement to be executed the day and year first before written.

The Common Seal of \_\_\_\_\_

Was hereunto affixed in the presence of :

Signed, Sealed and Delivered by the said \_\_\_\_\_

In the presence of :

Binding Signature of Employer \_\_\_\_\_

Binding Signature of Contractor \_\_\_\_\_

*[Signature]*  
Sd/-  
M/s. S. S. Sons Co.

*[Signature]*  
17/3/2020  
Executive Engineer  
Rural Works Department  
Muzaffargarh

# Office of The Executive Engineer

R.W.D. Work Division, Neemchak Bathani, Gaya

Date 06/08/2020

## Letter of Acceptance

Executive Engineer  
Rural Works Department,  
Work Division, Neemchak Bathani.

Kumar and Sons construction,  
At - Jankpur, Manpur, Gaya

This is to notify you that the employer, namely, **Executive Engineer, Rural Works Department, Work Division, Neemchak Bathani.** has accepted your Bid dated- **31.12.2019** for execution of the **Khizarsarai Rajgir Road To chiriyawan (Tender ID-86416)** Package No. **BR-12R-25** and Routine Maintenance of the works for five years for the Contract Price of Rupees **87.96404 (Eighty Seven Lakh Ninety Six Thousand Four Hundred Four)** only is hereby accepted by our Agency.

You are hereby requested to furnish Performance Security, (and additional security for unbalanced bids in terms of ITB Clause 26.3) [where applicable] in the form detailed in Cl. 30 of ITB for an amount of Rs. **3,49,775/- (Three Lakh Forty Nine Thousand Seven Hundred Seventy Five)** within 10 days of the receipt of this Letter of Acceptance valid up to 45 days from the date of expiry of Defects Liability Period i.e. upto **24 Hrs.** and sign the Contract. If the Performance Security is in the form of a Bank Guarantee, the period of validity of Bank Guarantee could be one year initially, however, the Contractor would get this Bank Guarantee extended in such a way that an amount equal to the requisite Performance Security is always available with the Employer until 45 days after the lapse of Defects Liability Period failing which action as stated in Cl. 30.3 of ITB will be taken.

2. You are also requested to indicate your nominee as required under Clause 53.2 of the GOC.

Your Faithfully

Executive Engineer

Rural Works Department,  
Work Division, Neemchak Bathani.

For Director  
Kumar and Sons Const. Co.  
Manpur, Gaya (822001)

# ADHAN MANTRY GRAM SADAK YOJANA (PMGSY) BILL OF QUANTITIES

CHANDIGARH ROAD TO CHIRIYAWAN

ATRI  
GAYA

|   |         | DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |        |            |              |
|---|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------------|--------------|
|   |         | DESCRIPTION OF ITEMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | QUANTITY | UNIT   | RATE (Rs.) | AMOUNT (Rs.) |
|   |         | <p><u>Item 1: Work:-</u><br/>                     Starting Out work complete with construction of bench mark (Min 1 per km) working benchmark (Min 4 per km) and near<br/>                     all bridges and cross-drainage works made of bricks/stone masonry or concrete and reference pillars made of precast<br/>                     concrete poles/concrete filled 100 mm dia A.C. pipe @ 100 m interval of as required on both sides of the formation width,<br/>                     marking on central line, setting out curves and recording of central line levels and other required levels and distances etc.<br/>                     including setting out of cross-drainage structures &amp; bridges with required reference pillars and marking etc. as directed by<br/>                     Engineer-in-Charge.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |        |            |              |
| 2 | 2.1     | 201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Clearing Grass and Removal of Rubbish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.70     | Per KM | 11584.00   | 19693.00     |
| 3 | 3.5     | 302                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>(i) Excavation in Soil using Hydraulic Excavator and Tipper with disposal upto 1000 m</p> <p>Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in<br/>                     tipper, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and<br/>                     transporting to the embankment location with a lift upto 1.5 m and lead upto 1000 m as per Technical Specification Clause<br/>                     302.3</p> | 0.59     | Hect   | 12992.40   | 7666.00      |
| 4 | 3.6     | 302.3.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Excavation in Ordinary Rock using Hydraulic Excavator and Tipper with disposal upto 1000 m                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4098.91  | Cum    | 71.55      | 78627.00     |
| 5 | 3.3     | 301.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>Construction of Embankment with Material Obtained from Roadway Cutting</p> <p>(i) Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain<br/>                     and foundation of other structures graded and compacted to meet requirement of Tables 300.1 and 300.2 as per<br/>                     Technical Specification Clause 301.5</p>                                                                                                                                      | 4072.44  | Cum    | 189.47     | 203198.00    |
| 6 | 3.4 (B) | 301.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>Construction of Embankment with Material Obtained from Pits</p> <p>(ii) Construction of embankment with approved material obtained from pits with a lift upto 1.5 m, transporting to<br/>                     site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto<br/>                     250m as per Technical Specification Clause 301.5</p>                                                                                                                               | 1098.01  | Cum    | 47.07      | 51726.00     |
|   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2487.46  | Cum    | 135.06     | 335957.00    |
|   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 621.87   | Cum    | 168.92     | 105046.00    |
|   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 162.61   |        |            |              |

# DESCRIPTION OF ITEMS

## Shoulders

Construction of subgrade and shoulders with approved material (material having CBR not less than 10) in proportion with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to required density as per Technical Specification Clause 303.1.

|       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |          |           |
|-------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|-----------|
| 400.1 |     | <b>Granular Sub-base with Well Graded Material (Table 400.1)</b><br>Construction of granular sub-base by providing Coarse graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.<br>(having CBR not less than 20%) By Mix in Place Method                                                                                                                         | 626.79 Cum.         | APPROVED | 570982.00 |
| 4.8   | 405 | <b>2) WBM Grading 2</b><br>Providing, laying, spreading and compacting mechanically crushed stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.                                                              | 2270<br>297.78 Cum. | ✓        | 1917.46   |
| 4.5   | 405 | <b>3) WBM Grading 3 With Crushable Screening</b><br>Providing, laying, spreading and compacting mechanically crushed stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, Crushablescreening/binding material to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.                           | 270<br>297.78 Cum.  | ✓        | 1896.05   |
| 5.1   | 502 | <b>Prime Coat</b><br>Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per Technical Specification Clause 502                                                                                                                                                                                                                                                                                                | 3970.37 Sqm         | ✓        | 43.16     |
| 5.2   | 503 | <b>Tack Coat</b><br>Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.                                                                                                                                                                                                                                                                                             | 3970.37 Sqm         | ✓        | 14.86     |
| 5.9   | 508 | <b>Mix Seal Surfacing</b><br>(11) Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.09 mm (Type-A) or 13.2 mm to 0.09 mm (Type-B) aggregates using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 8-10 kN static roller and finishing to required level and grades as per Technical Specification Clause 509<br>(Type B) 13.2 mm to 0.9 mm Bitumen (CS-90) | 3970.37 Sqm         | ✓        | 199.88    |



| S. No. | SDB Sr. No | Ref to MORD     | DESCRIPTION OF ITEMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | QUANT<br>ITY | UNIT | RATE (Rs.) | AMOUNT<br>(Rs.) |
|--------|------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|------------|-----------------|
| 21     |            |                 | Providing and fixing "Citizen Information Board" of PMGSY Project<br>(B) Providing and fixing of typical "PMGSY Citizen Information Board" made of brick/stone masonry of RCC as per drawings and specifications painted by standard colour as per drawing with lettering, border, heading, logo, arrows etc. using synthetic enamel paint of superior quality and all details as per standard drawings of PMGSY including excavation, concreting, painting base, border and lettering, painting cross-section of road and other required details etc. complete as directed by Engineer-in-charge. (II) PCC/RCC | 2            | Each | 742.00     | 1484.00         |
| 22     | 10.2       | 1700, 300, 800  | Retro-Reflectorised Traffic Signs: Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over MS sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801<br>(iii) 60 cm equilateral triangle                                           | 2            | Each | 742.00     | 1484.00         |
| 23     | 10.3       | 1700, 800 & 300 | Direction and Place Identification Signs upto 0.9 sqm Size Board.<br>Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67 made of high intensity grade sheeting vide clause 801.3, fixed over MS sheeting, 2 mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75 x 75 x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing                                                                          | 3            | Each | 3114.48    | 9343.00         |
| 24     | 10.17      |                 | Reinforced cement concrete M15 grade Guard Stone of size 200 mm x 200mm x 800 mm fixing in position including painting and printing etc. as per drawing, Technical Specification and as per direction of Engineer in Charge.                                                                                                                                                                                                                                                                                                                                                                                    | 3            | Each | 6577.73    | 19733.00        |
| 25     | 10.10      | 1700            | Kilometre Stone<br>Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC:8 fixing in position including painting and printing etc as per drawing and Technical Specification Clause 1703<br>(ii) Ordinary Kilometre Stone (Precast)                                                                                                                                                                                                                                                                                                                                    | 30           | Each | 326.00     | 9780.00         |
| 26     | 10.13      | 803             | Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads @ 250gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes.                                                                                                                                                                                                                                                                                                                     | 2            | Each | 1585.19    | 3170.00         |
| 27     | 10.11      | 300             | Road marking over CC pavement<br>CD WORKS :- Excavation for Structures<br>Earthwork in excavation for foundation of structures upto 3 m depth as per drawing and technical specification Clause 1704 including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.                                                                                                                                                                                                                           | 7            | Each | 470.63     | 3294.00         |
|        |            |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 198.00       | Sqm  | 709.58     | 1404.96         |
|        |            |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 142.00       | Sqm  | 792.42     | 1125.24         |
|        |            |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 121.74       | Cum  |            |                 |

| SDB Sr. No | Ref to MOARO | DESCRIPTION OF ITEMS                                                                                                                                                                                                                                                                                      | QUANTITY | UNIT | RATE (Rs.) | AMOUNT (Rs.) |
|------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------|--------------|
| 11.4       | \$800 & 1200 | Plan Cement Concrete M10 (1:3:6 nominal mix) in levelling course below open foundation of Head walls as per drawings & Technical Specification Clause 1109, Nominal mix 1:3:6                                                                                                                             | 7.95     | Cum  | 3717.29    | 29552.00     |
| 9.2        | 1100 & 800   | Plain reinforced concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 For height upto 5 m, (1) P.C.C grade M 15 (Nominal mix (1:2:5.5))                                                                                           | 85.38    | Cum  | 3852.45    | 328922.00    |
|            |              | Bedding for Pipe :- Type B (First Class) Bedding Laying (First Class) bedding on well compacted sand, morum or approved granular material as per Clause 1105 (ii)                                                                                                                                         | 22.29    | Cum  | 437.11     | 9745.00      |
|            |              | Providing and Laying Reinforced Cement Concrete Pipe NP4 as per design                                                                                                                                                                                                                                    |          |      |            |              |
|            |              | Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106 |          |      |            |              |
|            | (D)          | 300 mm dia                                                                                                                                                                                                                                                                                                | 22.50    | RM   | 3900.09    | 87752.00     |
|            |              | Add Labour Cess @ 1 % & GST @ 12 %                                                                                                                                                                                                                                                                        | 60.00    | RM   | 788.44     | 47306.00     |
|            |              | Total Construction including Tax                                                                                                                                                                                                                                                                          |          |      |            | 996632.26    |
|            |              | Maintenance Works :-                                                                                                                                                                                                                                                                                      |          |      |            | 6655054.26   |
|            |              | 1st Year Maintenance                                                                                                                                                                                                                                                                                      | 1.70     | KM   | 37309.00   | 63425.00     |
|            |              | 2nd Year Maintenance                                                                                                                                                                                                                                                                                      | 1.70     | KM   | 42914.00   | 72954.00     |
|            |              | 3rd Year Maintenance                                                                                                                                                                                                                                                                                      | 1.70     | KM   | 194933.00  | 331386.00    |
|            |              | 4th Year Maintenance                                                                                                                                                                                                                                                                                      | 1.70     | KM   | 135955.00  | 231124.00    |
|            |              | 5th Year Maintenance                                                                                                                                                                                                                                                                                      | 1.70     | KM   | 242267.00  | 41854.00     |
|            |              | Total Maintenance Works                                                                                                                                                                                                                                                                                   |          |      |            | 1110743.00   |
|            |              | G. Total Construction + Maintenance + Tax                                                                                                                                                                                                                                                                 |          |      |            | 9973777.26   |
|            |              | Say in Lakh                                                                                                                                                                                                                                                                                               |          |      |            | 99.73        |

  
 17/12/19  
 Assistant Engineer  
 PMGSY  
 Pili-Nemchak Barhani

Executive Engineer  
  
 17/12/19