



Office of the Executive Engineer  
RWD Works Division, Aurangabad

Agreement No:- 1353BD/2020-21

Name of Work:- Construction of Road from To4 to Hasampur under  
Head Railway.

Name of Agency:- M/s Bajrang Construction, At - Pipardih ward-23  
Aurangabad (Bihar)

Estimated Cost:- Part (A) Rs. 47,15,804.00

Part (B) Rs. 4,45,897.00

Total Rs. 51,61,701.00

Agreement Value:- Part (A) Rs. 47,10,616.00

Part (B) Rs. 4,45,407.00

Total Rs. 51,56,023.00

Say Rupees .....

C/S approved on 10% below in total estimated cost vide SE, RWD, Work  
Circle, Aurangabad wide letter no. 1613 Dated- 23/09/2020 (94449)

Time Of Completion:- One Year excluding 5 yrs maintenance.

Date of work Start:- dt 23.09.20 (dt of work order)

Date of Completion:- dt 22.06.21

Earnest Money & Performance Security- Rs. 1,05,000/- In the Shape

M/s Bajrang Construction

Partner

Partner

M/s Bajrang Construction

Executive Engineer  
RWD Works Division,  
Aurangabad

Executive Engineer  
R.W.D. (W) Division

Aurangabad



# MUKHYA MANTRI GRAM SAMPRAK YOJANA (MMGSY)

## BILL OF QUANTITIES (BOQ)

Name of Road :	T04 To Hasanpur				
Block :	Madanpur	District :	Aurangabad		
Length :	0.670 km				
Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Providing & Fixing of Working benchmark/Reference Pillars 01 nos. per km & 04 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I				
	Benchmark Pillars 01 nos. per km	No	1	3,908.64	3908.64
	Reference Pillars 04 nos. per km	No	2	1,766.59	3533.18
2	<b>Clearing and Grubbing Road Land</b> Clearing and Grubbing Road Land ( By manual means) including uprooting wild vegetation , grass ,bushes ,shrubs , saplings and trees of girth upto 300mm , removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification - clause 201.1 and direction of E/I ( By Manual Means) In area of non-thorny jungle	Hect.	0.47	51,133.76	24032.87
3	<b>Box Cutting :-</b> Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 302.3	Cum	58.35	74.16	4327.24
4	<b>Construction of Embankment with Material Obtained from Roadway Cutting</b> Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5.	Cum	35.01	26.11	914.11
5	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a load upto 100 m as per Technical Specification Clause 301.5	Cum	611.94	131.03	80182.50
6	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a load upto 1000 m as per Technical Specification Clause 301.5	Cum	1,130.06	174.94	197692.70

M/s Bajrang Construction

Partner

B.O.Q. approved as corrected

Executive Engineer  
R.W.D. (W) Division  
Aurangabad



# MUKHYA MANTRI GRAM SAMPRAK YOJANA (MMGBY)

## BILL OF QUANTITIES (BOQ)

Name of Road :	T04 To Hasanpur				
Block :	Madanpur	District :	Aurangabad		
Length :	0.670 km				
7 8	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1. (Including Royalty & Labour Cess).	Cum	89.48	170.58	15800.38
8 9	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 100 m as per Technical Specification Clause 303.1. (Including Royalty & Labour Cess).	Cum	208.78	141.17	28473.47
9 10	Granular Sub-base with Well Graded Material (Table 400.1) :- Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement 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. (For Grading I Material)	Cum	201.2	2,148.73	432324.48
10 11	WBM Grading 3 :-Providing, laying, spreading and compacting 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, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	Cum	192.21	2,896.91	556815.07
11 12	Prime Coat (Low Porosity) :- 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 0.70-1.0kg/sqm using mechanical means as per Technical Specification Clause 502	Sqm	1,032.75	44.79	46256.87

B.O.Q. approved as Corrected

M/s Bajrang Construction

Partner:

S.E. Aurangabad

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Executive Engineer  
R.W.D. (W) Division  
Aurangabad

**MUKHYA MANTRI GRAM SAMPRAK YOJANA ( MMGBY)**

**BILL OF QUANTITIES (BOQ)**

Name of Road : T04 To Hasanpur

Block : Madanpur

District : Aurangabad

Length : 0.670 km

~~12~~  
13 Tack Coat:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25-0.30kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.

Sqm

1,032.75

15.22

15772.72

~~13~~  
14 Mix Seal Surfacing Type B Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type-A) or 13.2 mm to 0.9 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

Sqm

1,032.75

159.77

15504.37

~~14~~  
15 **Cement Concrete Pavement M30**  
Construction of un-reinforced, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14-days, using curing compound (where specified) and water finishing to lines and grade as per drawing and Technical Specification Clause.1501.

Cum

244.8

5,700.77

1395543.50

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S.E. Aurangabad  
24/11/20

~~15~~  
16 **Hard Shouldering :-** Laying brick soling layer on prepared sub-grade with brick on end edging according to lines, graded and cross-section shown on the drawing filling joints with sand and earth, spreading 25 mm thick layer of earth over brick soling, watering and rolling the same with three wheel road roller 80-100 kN as per Technical Specification Clause 412

sqm

200

543.78

108756.50

M/s Bajrang Construction  
24/11/20  
partner

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R.W.D. (W) Division  
Aurangabad  
24/11/20



MUKHYA MANTRI GRAM SAMPRAK YOJANA ( MMGSY)					
BILL OF QUANTITIES (BOQ)					
Name of Road :	T04 To Hananpur				
Block :	Madanpur	District :	Aurangabad		
Length :	0.670 km				
TRAFFIC SIGNS, MARKINGS & OTHER ROAD APPURTENANCES					
16	Kilometre Stone				
	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				
1	Ordinary Kilometer Stone (Precast)	Each	2 ✓	1,934.98	3869.96
17	200 m stone (precast)	Each	3 ✓	542.63	1627.89
17 19	(i) Providing and Fixing 'Logo' of MMGSY Project :- Providing and fixing of typical MMGSY Informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All M.S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	Each	4 ✓	9,167.68	36670.72
18 20	Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawings and Technical Specification Clause 1701	per cm height per letter	132 ✓	0.52	68.64
19 21	Boundry Pillar/ Guard Post Reinforced cement concrete M15 grade boundary pillars/local stone of standard design as per IRC:25, fixed in position including finishing and lettering but excluding painting as per drawing and Technical Specification Clause 1704	No	24 ✓	459.02	11016.48

B.O.Q. approved as Corrected

M/s Bajrang Construction  
21/11/20  
Partner:

SE Aurangabad  
23/11

Executive Engineer  
R.W.D. (W) Division  
Aurangabad  
24/11/20  
24/11/20

**MUKHYA MANTRI GRAM SAMPRAK YOJANA ( MMGSY)**

**BILL OF QUANTITIES (BOQ)**

Name of Road :		T04 To Hasanpur			
Block :		Madanpur	District :	Aurangabad	
Length :		0.670 km			
-20 22	<b>Retro-reflectorised Traffic Signs :-</b> Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium 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				
	600 mm equilateral & triangle	Each	8	3,639.12	29112.96
23	600 mm circular	Each	4	4,911.03	19644.12
24	800 mm x 600 mm rectangular	Each	6	6,884.01	41304.06
25	600 mm x 450 mm rectangular	Each	4	4,780.84	19123.36
26	900 mm side octagon, OR	Each	2	8,806.91	17613.82
27	<b>Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface :-</b> Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.	Sqm	54	735.44	39713.76
28	<b>Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Conctete Surface :-</b> Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.	Sqm	80	821.29	65703.20
29	Planting of tree by the road side (Avenue Tree) in 0.6 m dia holes, 1 m deep dug in the Ground, Mixing the soil with decayed farm yard/ slug manure, planting the saplings back filling the trench, watering, fixing the tree guard & maintain the Plant for One Year.	No.	27	815.26	22012.02

B.O.Q. approved as Corrected

S.E. Aurangabad  
23/11

M/s Bajrang Construction  
Partner

Executive Engineer  
R.W.D. (W) Division  
Aurangabad



# MUKHYA MANTRI GRAM SAMPRAK YOJANA ( MMGSY)

## BILL OF QUANTITIES (BOQ)

Name of Road :	T04 To Hasanpur		
Block :	Madanpur	District :	Aurangabad
Length :	0.670 km		

24-30	<b>Irrigation Pipe (300mm) :-</b> Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:981997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings.	Rm	30	891.89	26756.70
25-31	<b>Humo Pipe (1 x 1000mm)</b> Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	cum	89.4	269.32	24077.21
26-32	Providing M15 (PCC 1:2.5:5) as levelling course in foundation :- Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	cum	13.8	4,477.81	61793.78
27-33	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (M20)	cum	101.22	5,197.13	526053.50
28-34	Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M10 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 as per clause 1106	m	22.5	3,722.50	83756.25
29-35	Painting on Parapet Wall (Black & White Strips) Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701	Sqm	61.92	97.19	6018.00
30-36	<b>Dismantling</b> Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202.	B.O.Q. approved as Corrected  S.E. Aurangabad 23/11			
31	Cement Concrete	Cum	2.43	484.74	1177.92

M/S Bajrang Construction  
21/11/20  
Partner

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R.W.D. (W) Division  
Aurangabad



MUKHYA MANTRI GRAM HAMPRAK YOJANA ( MMGBY)					
BILL OF QUANTITIES (BOQ)					
Name of Road :	T04 To Hasanpur				
Block :	Madanpur				
Length :	0.870 km	District :	Aurangabad		
	Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of brick masonry, including disposal of unserviceable material and stacking the serviceable material with all lift and load of 1000 m as per Technical Specification Clause 202.				
-32.27	Cement mortar	Cum	92.07	231.77	21339.08
	Removing all types of Hume pipes and stacking including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202.				
-33.26	Above 600 mm to 900 mm dia Hume pipe	RM	15	236.34	3545.10
	Total				4173278.3
	GST 12%				500793.4
	Labour Cess 1%				41732.8
	Total Construction Cost (a)				4715804.4
-34.21	1st Year Maintenance cost	Year	1	21195.00	21195.0
-35.22	2nd Year Maintenance cost	Year	1	26042.00	26042.0
-36.23	3rd Year Maintenance cost	Year	1	146694.00	146694.0
-37.24	4th Year Maintenance cost	Year	1	41490.00	41490.0
-38.25	5th Year Maintenance cost	Year	1	159178.00	159178.0
	Total				394599.0
	GST 12%				47351.9
	Labour Cess 1%				3946.0
	Total Maintenance Cost (b)				445896.9
	Grand Total Cost (A+B)				5161701.3

CM  
11/11/20  
EE

51,61,701/-

B.O.Q. approved for Rs. 51,61,701/-  
Rupees Zero Crore Fifty one Lakh Sixty one  
thousand Seven Hundred one Only

S.E.

R.W.D (W) Circle  
23/11 Aurangabad

M/s Bajrang Construction  
Partner

Executive Engineer  
R.W.D. (W) Division  
Aurangabad  
24/11/20

## कार्यपालक अभियंता का कार्यालय

ग्रामीण कार्य विभाग, कार्य प्रमण्डल, औरंगाबाद

पत्रांक 809 /

प्रेषक,

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमण्डल, औरंगाबाद।

सेवा में,

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
केन्द्रीय प्रयोगशाला गया।

औरंगाबाद, दिनांक 23/3/22

विषय :- MMGSY अन्तर्गत T04 to Hasanpur पथ का गुणवत्ता जाँच के संबंध में।  
महाशय,

उपर्युक्त विषय के संबंध में कहना है कि MMGSY अन्तर्गत T04 to Hasanpur पथ का कार्य प्रगति पर है, जिसका गुणवत्ता जाँच हेतु प्रयुक्त समग्रि GSB, WBM-Gr-III, PCC Cubes and Stone Chips का नमूना गुणवत्ता जाँच के लिए भेजा जा रहा है।

अतः प्रयुक्त समग्रियों का जाँचकर गुणवत्ता जाँचफल यथाशीघ्र भेजने की कृपा की जाये।

अनु०:- जी०एस०बी० एक बोरी सैम्पल  
WBM Gr-III+Stone Chips एक-एक बोरी  
क्यूब- एक सेट

विश्वासभाजन

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमण्डल, औरंगाबाद

23/3/2022



अधीक्षण अभियंता का कार्यालय  
ग्रामीण कार्य विभाग, कार्य अंचल, औरंगाबाद

पत्रांक ...1613... औरंगाबाद / दिनांक ...23/09/2020

प्रेषक:

अधीक्षण अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य अंचल, औरंगाबाद।

सेवा में,

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग,  
कार्य प्रमण्डल, औरंगाबाद।

विषय: ग्रामीण कार्य विभाग, कार्य प्रमण्डल, औरंगाबाद के अधीन शीर्ष मुख्यमंत्री ग्राम सम्पर्क योजना (MMGSY) अन्तर्गत T04 to Hasanpur तक पथ निर्माण एवं पांचवर्षीय रख-रखाव कार्य (Tender ID- 2020\_ECBIH\_94449) के निविदा की स्वीकृति के संबंध में।

प्रसंग: आपका पत्रांक 4467 अनु0 दिनांक 23.09.2020

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में सूचित किया जाता है कि योजना शीर्ष मुख्यमंत्री ग्राम सम्पर्क योजना (MMGSY) अन्तर्गत T04 to Hasanpur तक पथ निर्माण एवं पांचवर्षीय रख-रखाव कार्य (Tender ID- 2020\_ECBIH\_94449) के लिए आपके अनुशंसा के आलोक में न्यूनतम दर में राफल निविदाकार M/s Bajarang Construction, At- Pipardih, Ward No-33, Aurangabad District- Aurangabad (Bid ID-408624) को उनके द्वारा उद्धृत दर परिमाण विपत्र की दर से 0.11% (शून्य दशमलव एक एक प्रतिशत) कम अर्थात् 51,56,023.00 (एकान्न लाख छपन हजार तेईस) रुपया मात्र होगी, जिसे निम्नलिखित शर्तों के साथ अनुमोदित किया जाता है।

कार्यदेश निर्गत करने से पूर्व कार्यपालक अभियंता अग्रधन सत्यापन कर सत्यापन प्रतिवेदन अद्योहस्ताक्षरी को उपलब्ध कराना सुनिश्चित करेंगे।

1. निविदा की स्वीकृति सिर्फ इसी कार्य के लिए है जो भविष्य में पूर्वाघरण नहीं होगा।
2. संवेदक के द्वारा एकरारनामा के लिए जमा की गई राशि एवं निविदा के साथ जमा की गई अग्रधन की राशि से संबंधित एन0 एस0 सी0/किसान विकास पत्र/बैंक गारंटी आदि का सत्यापन संबंधित डाकघर से कराकर प्रमण्डलीय कार्यालय में अभिलेख के रूप में एकरारनामा के साथ रखा जायेगा।
3. एकरारनामा के पूर्व कार्यपालक अभियंता संवेदक द्वारा समर्पित वांछित कागजातों की जांच कराना सुनिश्चित करेंगे।
4. एकरारनामा के समय निविदाकार से मासिक कार्य योजना लिखित रूप से प्राप्त कर लिया जायेगा, जो एकरारनामा का अंश होगा।
5. कार्य में अव्यहृत शामग्रियों का दर प्रायकलन में स्वीकृत के आधार पर दिया गया है। कार्य करते समय अगर इनमें कमी हो जाती है तो उसके सापेक्ष दर में कमी कर दी जायेगी।
6. इस कार्य के संबंध में ग्रामीण कार्य विभाग, विहार सरकार द्वारा निर्गत प्रशासनिक स्वीकृति एवं प्रावधिक स्वीकृति तथा निविदा आमंत्रण सूचना में उल्लेखित शर्त एकरारनामा का भाग होगा जिसे विशेष शर्त में जोड़कर संवेदक के साथ एकरारनामा किया जायेगा।
7. एकरारनामा के समय प्रत्येक मद के भाषा की शुद्धता की जांच कार्यपालक अभियंता स्वयं कर लेंगे तथा सभी तरह से संतुष्ट होकर एकरारनामा करेंगे।

11/24

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