

1146  
31/11/19  
C. C. W. D.

EXECUTIVE ENGINEER  
R.W.D. (W) Division  
Banka-2

cc  
79532  
19-20 1000 x 1.1m

AB 936185

विजयी कुमार सिंह  
मुद्रांक विज्ञापन  
बाँका कोर्ट, बाँका  
बाँका नं-1394

### AGREEMENT

This agreement, made the..... day of..... Between the  
Executive Engineer R.W.D. Works Division, Banka-II Bihar [name and  
address of Employer] (here in after called "the Employee") of the one part,  
and Choubatia Construction Pvt. Ltd, At- Choubatia, P.S.-Banka,  
Dist.-Banka, Bihar (BID ID-347474) (here in after called "the Contractor")  
of the other part. Whereas the employer is desirous that the contract  
execute the Construction with Five Year Maintenance of Road From  
Fulhara Rabidas Tola To Suiya Borba PMGSY Road (Length in KM  
1.700) Year 2018-2019 under Mukhya Mantri Gram Sampark Yojna  
(GEN) (Tender ID-76618) Block-Chandan, District-Banka, Bihar (here  
in after called the contract under Chief Engineer-2 Rural Works  
Department Patna Letter No. 4143 (Attach) Dated 31.10.2019 and the  
Employer has accepted the Bid by the Contractor for the execution and  
completion of Such works and the Routine maintenance of works for Five  
Years of the Contract Price remedying of any defects therein, at  
Construction Cost Rs. 10375852.00 & Maintenance Cost Rs.  
1087910.00 with a Total Amount of Rs. 1,14,63,762.00 (Rupees One  
Crore Fourteen Laes Sixty Three Thousand Seven Hundred Sixty Two  
Only) at bidder rate quoted 10 %(Ten) below the estimated Cost. (i) FD  
A/c No.-17990310045961 dated 20.12.19 To 20.12.20 Rs. 430000/- (ii) FD  
A/c No.-17990310045978 dated 20.12.19 To 20.12.20 Rs. 32000/- (iii) FD  
A/c No.- 3361401000582/15 dated 20.03.19 To 20.03.20 Rs. 255000/-  
Total Rs. 717000/- (Rupees Seven Laks Seventeen Thousand Only) The  
Commencement of work is 28.11.19 and Completion of date up to  
28.11.2020 i.e.,

Choubatia Construction Pvt. Ltd.

Rajendra Kumar  
Director



# MUKHYA MANTRI GRAM SAMPRAK YOJANA ( MMGSY)

## BILL OF QUANTITIES (BOQ) - CONSTRUCTION

Name of Road : Fulhara Rabidas Tola TO Suiya Borba PMGSY Road

Block : Chandan

District :

Banka

Length : 1.700 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	2.00	4225.51	8451.02
	Reference Pillars 04 nos. per km	No	6.00	1938.12	11628.72
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.	1.19	43581.86	51862.41
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	18.75	88.42	1657.88
5	<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	11.25	33.58	377.78
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 lead upto 100 m as per Technical Specification Clause 301.5	Cum	1741.85	147.30	256574.51
7	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 lead upto 1000 m as per Technical Specification Clause 301.5	Cum	715.46	201.85	144415.60


Choubatia Construction Pvt. Ltd.

*Rajendra*  
Director



Sl. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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 & 100 m as per Technical Specification Clause 303.1. (Including Royalty & Labour Cess).	Cum	3757.09	203.88	765995.51
9	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	1124.48	3014.59	3389846.16
10	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	482.91	4115.14	1987242.26
11	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	4734.38	52.17	246992.60
12	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	4734.38	17.71	83845.87
13	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	4734.38	245.35	1161580.13

Choubatia Construction Pvt. Ltd.

 Director

Sl. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
14	<b>Cement Concrete Pavement M30</b> 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 412	Cum	272.70	7128.02	1943811.05
15	<b>Hard Shouldering :-</b> 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	450.00	587.30	264285.00



Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	<b>TRAFFIC SIGNS, MARKINGS &amp; OTHER ROAD APPURTENANCES</b>				
16	<b>Kilometre Stone</b>				
	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				
ii	Ordinary Kilometer Stone (Precast)	Each	3.00	2740.17	8220.51
iii	200 m stone (precast)	Each	7.00	754.79	5283.53
17	<b>(I) Providing and Fixing 'Logo' of MMGSY Project :-</b> 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	4.00	10460.75	41843.00
18	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	88.00	0.53	46.64
19	<b>Boundry Pillar/ Guard Post</b> 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	32.00	623.74	19959.68
20	<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	12.00	4055.09	48661.08

Choubatia Construction Pvt. Ltd.

*[Signature]*  
Director



Sl. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	800 mm x 600 mm rectangular	Each	6.00	7653.45	45920.70
	600 mm x 450 mm rectangular	Each	4.00	5321.18	21284.72
	900 mm side octagon	Each	2.00	9785.81	19571.62
21	<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	250.00	806.23	201557.50
22	<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	90.00	900.05	81004.50
23	<b>Planting of tree by the road side (Avenue Tree)</b> 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	125.00	869.38	108672.50
<b>CD Work Hp Culvert</b>					
24	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	cum	59.60	282.36	16828.66
25	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	9.20	5444.05	50085.26
26	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 ( M20 )	cum	67.48	6356.49	428935.95
27	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	15.00	3826.78	57401.70
	A) 1000 mm Dia				

Choubatia Construction Pvt. Ltd.

*RW*  
Director



Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
28	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	41.28	104.71	4322.43
29	<b>Cable Duct Across the Road :-</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	60.00	842.63	50557.80
	<i>Construction</i>	<i>Cost :-</i>		Total (A) =	11528724.27

*Chobatia*  
*Full time to superintend*  
 S.S.B = 1124.48  
 W.B.M = 481.74  
 P.C.C = 271.84  
 Sub. = 3744.40  
 E.W = 2444.23 m

*Link 1*  
 0 to 326 BT  
 326 to 461 P.C.C  
 461 to 538 BT  
 538 to 686 P.C.C  
 686 to 748 BT  
 748 to 807 P.C.C  
 807 to 1113 BT

*Link-2*  
 0 to 480 BT  
 480 to 595 P.C.C

Choubatia Construction Pvt. Ltd.

*RD*  
 Director

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Sl. No	Description of Items	Unit	Qty	Rate (Rs)	Amount (Rs)
30	1st Year Maintenance cost	Year	1	65479.24	65479.24
31	2nd Year Maintenance cost	Year	1	85232.97	85232.97
32	3rd Year Maintenance cost	Year	1	419434.14	419434.14
33	4th Year Maintenance cost	Year	1	161418.11	161418.11
34	5th Year Maintenance cost	Year	1	477224.79	477224.79
				Total (B) =	1208789.25
	Total Maintenance Cost =			Grand Total Cost (A+B) =	12737513.52

Choubatia Construction Pvt. Ltd.

  
Director