

(29) *Tenue Mashik to Railway cross*

DEVELOPMENT WORKS FOR PATHWAY
AT NAGAR PALIKA PARISHAD BHATAPARA, DIST- BALODA BAZAR (C.G.)

[As per P.W.D. ELECT S.O.R. W.E.F. 01.06.2020]

[AS PER P.W.D. BUILDING S.O.R. WITH EFFECT FROM 01.01.2015]

AS PER PWD ROAD SOR WITH EFFECT FROM 01/01/2025

			AR NAVEEN SAHU	
S/NO	ITEMS	NOS	RATE	AMOUNT
1	LIGHT POLE	--	Estimated	1153000.00
2	RAILING	--	Estimated	1442000.00
3	PATHWAY	--	Estimated	1952000.00
4	RCC. CHAIR	--	Estimated	162000.00
5	PLANTATION	--	Estimated	190536.37
			Total	4899536.37
A	Add 2.00 % For CONTINGENCY & CONSULTANCY			97990.73
			G. Total	4997527.10
			Say In	5000000.00
			In Lacs.	50.00
[Rs. FIFTY LACS ONLY]				

COMM./C.M.O

मुख्य नगर पालिका अधिकारी
नगर पालिका परिषद - भाटापारा
जिला बलोदाबाजार-भाटापारा (छ.ग.)

Sub Engineer
Municipal Council Bhatapara

AR NAVEEN SAHU

AR. NAVEEN SAHU
CA/2009/48483 [B. Arch.]
Architect Municipal Licence No. - 001
Chartered Valuer No. - LM/CAT-I/A-5273
Basantpur Chowk, Rajnandgaon (C.G.)

Technically Approved For Rs. 50 Lakh
In Words Rs. Fifty Lakh Only.
Is Here By Accorded For Work
Vide T.S.No. 276 Dated 09.01.26
Swasthya
Executive Engineer
Municipal Council Bhatapara
District-Baloda Bazar-Bhatapara (C.G.)

ESTIMATE OF DECORATIVE LIGHT POLE

AT NAGAR PALIKA PARISHAD BHATAPARA, DIST- BALODA BAZAR (C.G.)

[As per S.O.R.P.W.D ELECT W.E.F. 01.06.2020]

AR NAVEEN SAHU

S/NO	CSR	PURTICULARS	UNIT	RATE	QTY	AMOUNT
1	19.29.3	Supply of 5 M Height Conical Pole diameter 75 mm at top 129 at bottom. Baseplate Size 200 x 200 x 12 mm foundation bolt 450 mm long Mx16 EN 8 grade	Each	8600.00	12	103200.00
2	19.11	Erection of GI octagonal pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as required.				
	19.11.3	5 metre high	Each	698.00	12	8376.00
3	19.23/169	Designing and providing suitable RCC foundation in cement concrete 1:2:4 (1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size) for 3 mere to 12 metre high GI octagonal pole including steel reinforcement (Minimum 90 kg per cum), form work, ebeding 2 nos 50 mm dia PVC pipe for cable entry in each foundation , excavation disposal of surplus soil and curing etc. as required.	cubm	5219.00	12	62628.00
4	19.25	Supplying and fixing of single over hang (Arm) 1000 MM (long)x50 mm dia decorative GI street light pole bracket made out of GI "A" Class pipe welded to 300 MM Long GI Pole canopy of suitable dia at angle of 102.50 Degree including having GI triangular stiffner and making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy including FRP Dome on existing pole etc. as per enclosed drawing and as per direction of engineer-in-charge.	Each	1982.00	12	23784.00
5	15.1	Supplying and laying following sizes one number PVC insulated/ ELPE PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
	15.1.1	2x4sq.mm	Mtr	249.00	240	59760.00
6	15.23	Supplying and making end termination with brass compression gland and aluminium lugs for following size armoured aluminium conductor power cable of 1.1 KV grade as required				
	15.23.2	2x6 sq. mm (16mm)	Each	91.00	24	2184.00
7	6.28	Supplying, installation, testing and				

As per S.O.R.P.W.D ELECT W.E.F. 01.06.2020]

S/NO	CSR	PARTICULARS	UNIT	RATE	AR NAVEEN SAHU	
					QTY	AMOUNT
		commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt.				
	6.28.7	60 watt	Each	3622.00	12	43464.00
8	12.12	Supplying and laying 6SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode , including soldering, excavation and refilling the trench etc. as required.	Mtr	36.00	228	8208.00
9	9.2	Supplying and fixing on surface following way, 240 volts SP&N MCB DB ofvsheet steel phosphatized and power painted complete with tinned copper busbar , neutral busbar, earth bar, din bar, detachable gland plate, including interconnection , earthing etc. as required . (but without MCB/RCCB/Isolator)				
	9.2.5	4 way, Double door	Each	784.00	2	1568.00
10	9.12	Supplying and fixing DP MCB 240 volts 'C' curve, suitable for lighting and other lads in the existing MCB DB complete with connection s, testing and commissioning etc. as required.				
	9.12.1	0.5 amps to 5 amps	Each	576.00	12	6912.00
11	3.11	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, multi strand wire in the existing surface/ concealed, FRLS PVC conduit / PVC casing caping as per specification and IS: 694 (2010)				
	3.11.12	2x1.5 sq. mm	Mtr	39.00	120	4680.00

As per S.O.R.P.W.D ELECT W.E.F. 01.06.2020]

S.NO	CSR	PARTICULARS	UNIT	RATE	AR NAVEEN SAHU	
					QTY	AMOUNT
12	6.25	Supplying, installation, testing and commissioning of following LED Strip Light fitting complete with Electronic Driver Heat sink Capacitor and all other accessories, including connection, earthing etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt. IP-65				
	6.25.2	15 watt per metre LED Strip	Mtr	394	100	39400
					Total	364164.00
		For 12 Nos				364164.00
		For 1 Nos				30347.00
		Total length = 570 Mtr. @ 15Mtr C/C For 38 Nos.				1153186.00
					Say As.	1153000.00
					In Lacs.	11.53
[Rupees in Words : ELEVEN LACS FIFTY THREE THOUSAND ONLY]						

COMM. C.M.O.
 मुख्य नगर पालिका अधिकारी
 नगर पालिका परिषद - भाटापारा
 जिला बलौदाबाजार-भाटापारा (छ.प्र.)

E.E./S.E.
 Sub Engineer
 Municipal Council, Bhatapara

AR NAVEEN SAHU

ESTIMATE OF MS RAILING

AT NAGAR PALIKA PARISHAD BHATAPARA, DIST- BALODA BAZAR (C.G.)

[AS PER P.W.D. BUILDING S.O.R. WITH EFFECT FROM 01.01.2015]

AR NAVEEN SAHU

S.No.	Particular's of Item	No.	L	W	H/D	Qty	Unit	Rate	Amount
1	Excavation for all types and sizes of foundation, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and upto 50 m (at least 5m away from the excavated area), including dressing and leveling of pits. Page No.9, Item No.1.1(i) In all types of soil	1	570.00	0.30	0.30	51.30	Cum.	185.00	9490.50
2	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. Page No.23, Item No.3.1.3(ii) 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 40mm nominal size)	1	570.00	0.30	0.10	17.10	Cum.	2970.00	50787.00
3	Providing and laying nominal mix Plain cement concrete with crushed stone aggregate using concrete mixer in all work upto plinth level excluding cost of form work. Page No.23, Item No.3.1.5	1	570.00	0.20	0.30	34.20			
						34.20	Cu.M.	4073.00	139296.60
4	Providing and fixing formwork including, shuttering, strutting, staging, propping bracing etc. complete and including its removal at levels, for: Page No.16, Item No.2.1(i) Foundation, footings, base of columns and plinth beam in any. Shape and size	2	570.00		0.30	342.00			
						342.00	Sqm.	139.00	47538.00

ESTIMATE OF PAVERS (PATHWAY)

AT NAGAR PALIKA PARISHAD BHATAPARA, DIST- BALODA BAZAR (C.G.)

[AS PER P.W.D. BUILDING S.O.R. WITH EFFECT FROM 01.01.2015]

AR NAVEEN SAHU

S.NO.	PARTICULARS OF ITEMS	NO.	L	W	H/D	QTY	UNIT	RATE	AMOUNT
1	Excavation for all types and sizes of foundation, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and upto 50 m (at least 5m away from the excavated area), including dressing and leveling of pits. Page No.9,Item No.1.1(i) In all types of soil								
		1	570.00	2.80	0.15	239.40			
		2	570.00	0.20	0.25	57.00			
		2	3.00	0.20	0.25	0.30			
					Total	296.70	Cu.M	185.00	54889.50
2	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20 Cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. Page No.11,Item No.1.18								
		1	570.00	2.80	0.15	239.40			
		2	570.00	0.20	0.10	22.80			
		2	3.00	0.20	0.10	0.12			
					Total	262.32	Cu.M.	371.00	97320.72
3	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation,plinth and at ground level excluding cost of form work. Page No.23,Item No.3.1.3(ii) 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 40mm nominal size)								
		1	570.00	2.80	0.10	159.60			
		1	570.00	0.10	0.10	5.70			
		2	3.00	0.10	0.10	0.06			
						165.36	Cum.	2970.00	491119.20

AS PER P.W.D. BUILDING S.O.R. WITH EFFECT FROM 01.01.2015]								AR NAVEEN SAHU	
P.W.O.	PARTICULARS OF ITEMS	NO.	L	W	H/D	QTY	UNIT	RATE	AMOUNT
4	Providing and laying 60 mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3 mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Page No.120,Item No.12.65 (ii)Coloured pigment (rubber mould) precast interlock concrete blocks								
		1	570.00	2.80		1596.00			
					Total	1926.72	Sqm	632.00	1217687.04
5	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete in all works upto floor five level excluding cost of form work. Page No.23,Item No.3.1.4 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 40mm nominal size).								
		1	570.00	0.10	0.25	14.25			
		2	3.00	0.10	0.25	0.15			
					Total	14.40	Cum	3552.00	51148.8
6	Providing and fixing formwork including shuttering, strutting, staging, propping bracing etc. complete and including its removal at levels, for: Page No.16,Item No.2.1 (i)Foundation, footings, bass of columns and plinth beam in any. Shape and size								
		2	570.00	0.25		285.00			
		2	3.00	0.25		1.50			
					Total	286.50	Sqm	139.00	39823.50
							Total		1951988.76
							Say As.		1952000.00
							In Lacs.		19.52
[RUPEES IN WORDS : NINETEEN LACS FIFTY TWO THOUSAND ONLY]									

COMM./C.M.O

(Signature)

जिला पब्लिक वर्कस - भाटापारा (छ.ग.)
जिला पब्लिक वर्कस - भाटापारा (छ.ग.)

E.E./S.E

(Signature)

AR NAVEEN SAHU

ARCHITECT NAVEEN SAHU AND ASSOCIATES

ESTIMATE OF CONCRETE CHAIR

AT NAGAR PALIKA PARISHAD BHATAPARA, DIST- BALODA BAZAR (C.G.)

AS PER PWD BUILDING SOR WITH EFFECT FROM 01/01/2015

AR. NAVEEN SAHU

S. N	SOR ITEM	PARTICULAR	NO.	L	W	H/D	QTYS	UNIT	RATE	AMOUNT
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1.1.1	In all types of soils.	2	0.60	0.30	0.30	0.11	cum	185.00	19.98
2	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	2	0.60	0.30	0.10	0.04	cum	371.00	13.36
3	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	2	0.60	0.30	0.15	0.05	cum	2970.00	160.38
4	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	2.1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	2	0.60		0.60	0.72	sqm	139.00	100.08
	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	1	2.50		0.60	1.50	sqm	235.00	352.50
5	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	2	0.60	0.15	0.60	0.11			
			1	2.50	0.60	0.10	0.15			
				total			0.26	cum	4163.00	1074.05
6	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:								
	3.12.1	Thermo-Mechanically treated bars FE 415								
		120 kg /cum or rcc work					30.96	kg	54.50	1687.32

PER PWD BUILDING SOR WITH EFFECT FROM 01/01/2015

S. N	SOR ITEM	PARTICULAR	NO.	L	W	H/D	QTYS	AR. NAVEEN SAHU		
								UNIT	RATE	AMOUNT
7	12.45	15 mm thick Table rubbed polished Granite stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing etc. complete. (Area of slab should be 0.50 sqm and above)								
	12.45.1	Granite stone grey/pink	1	2.50		0.60	1.50			
			2	2.50		0.10	0.50			
			2	0.60		0.50	0.60			
							2.60	sqm	1796.00	4669.60
TOTAL AMOUNT FOR 1 NO OF CHAIR										8077.27
TOTAL AMOUNT FOR 20 NO OF CHAIR										161545.40
								Say As.		162000.00

CMMO./C.M.O.

मुख्य नगर पालिका अधिकारी
नगर पालिका परिषद - भाटापारा
जिला बलौदाबाजार भाटापारा (छ.ग.)

E.E. S.E

Sub Engineer
Municipal Corporation, Bhatapara

AR NAVEEN SAHU

ESTIMATE OF PLANTATION

AT NAGAR PALIKA PARISHAD BHATAPARA, DIST- BALODA BAZAR (C.G.)

AS PER PWD ROAD SOR WITH EFFECT FROM 01/01/2025

AR. NAVEEN SAHU

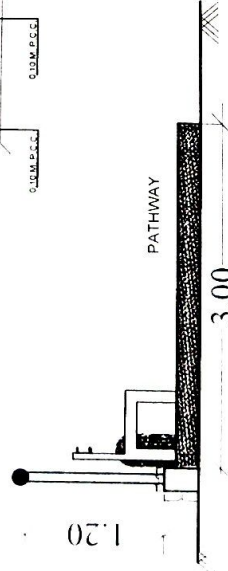
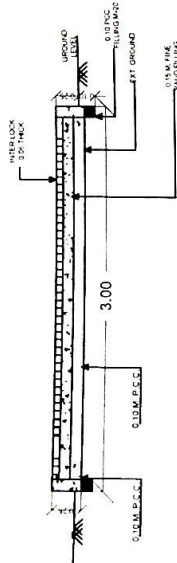
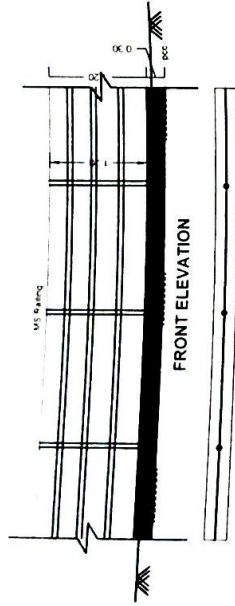
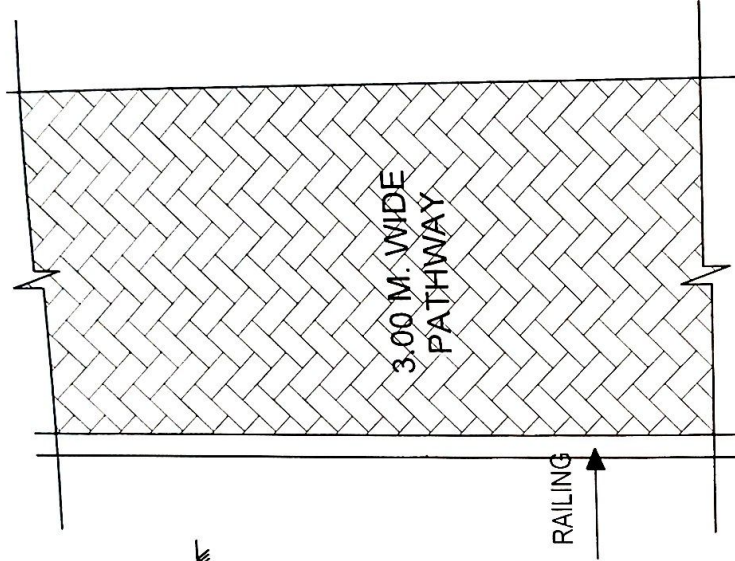
S.N	SOR ITEM	PARTICULAR	NO.	L	W	H/D	QTYS	UNIT	RATE	AMOUNT
1	12.7	Providing and planting of 4"0" to 5"0" heighted Ficus prestige/Blackiana plants with 1"6" x 1"6" depth pit formation and soil preparation, (Mixing organic manure and plant's protection insecticide). Up to 4 month maintenance					26	EACH	627.00	16302.00
2	12.10	Providing and planting of plumeria (Champa) 2"0" to 3"0" heighted plants with 1"0" x 1"0"x1"6" depth pit formation and soil preparation work's, (Mixing organic manure and plant's protection insecticide). Up to 4 month maintenance.					25	EACH	361.00	9025.00
3	12.3	Fabricating, supply & fixing of MS circular tree guard of 75 cm. dia. and 120 cm. height (above GL), MS tree guard made with 3 no. 25 x 25 x 5 mm MS angle iron 150 cm. long fixed vertically and 3 nos. 20 x 5 mm MS flat fixed circumferentially around MS angle, with support of MS angle and flat 13 gauge MS wire mesh welded in square grid pattern with an opening of 2" x 2". This item includes finished by filling putty and applying primer coat of zinc chromate including cost of all materials & labour complete including fixing in ground with P.C.C M-10 of dimensions 150x150x200mm).					51	EACH	2337.00	119187.00
4	12.5	Manufacturing, supply & fixing of precast kerb stone of size 400mmx259mmx200mm thick made of M-20 concrete rectangular in shape with one corner chamfered by 100 mm x 100 mm as approved design i/c cost of all material, labour and curing etc. complete.								
			51	2.50			127.50	each	133.00	16957.50
A		Add 18% For Gst.							TOTAL AMOUNT	161471.50
										29064.87
									TOTAL AMOUNT	190536.37

CMMO / C.M.O.
मुख्य नगर पालिका अधिकारी
नगर पालिका परिषद - भाटापारा
जिला बलौदाबाजार-भाटापारा (छ.ग.)

E.E./S.E.
Sub Engineer
Municipal Council, Bhatapara

ARCHITECT NAVEEN SAHU AND ASSO

DWG. TYPE: PLANNING	
NOTE: DO NOT SCALE FROM THE DRAWING ALL DIMENSIONS ARE IN METERS PLEASE WORK IN METERS	
DWG. TITLE: RAILING	
PROJECT NAME AND ADDRESS: ROAD SIDE BEAUTIFICATION AT NAGAR PALIKA PARISHA BHATAPARA DIST. - BALODA BAZAR (C.G.)	
Checked By: Ar. Naveen Sahu	Drawn By: Er. Sumet Sahu
Date:	REV: 00
ORIENTATION:	
ARCHITECT NAVEEN SAHU and ASSOCIATES Architects Interior-Designers Engineers Valuer Mobile: +91 98271 15279 Office: +91 87188 15279 E-mail: ar.naveen@gmail.com Basantpur Chowk, Rajnandgaon, C.G.	



SIDE ELEVATION

Sub Engineer
Municipal Council Bhatapara

JMK
मुख्य नगर पालिका अधिकारी
नगर पालिका परिषद - भाटापारा
जिला बलौदाबाजार-भाटापारा (छ.ग.)