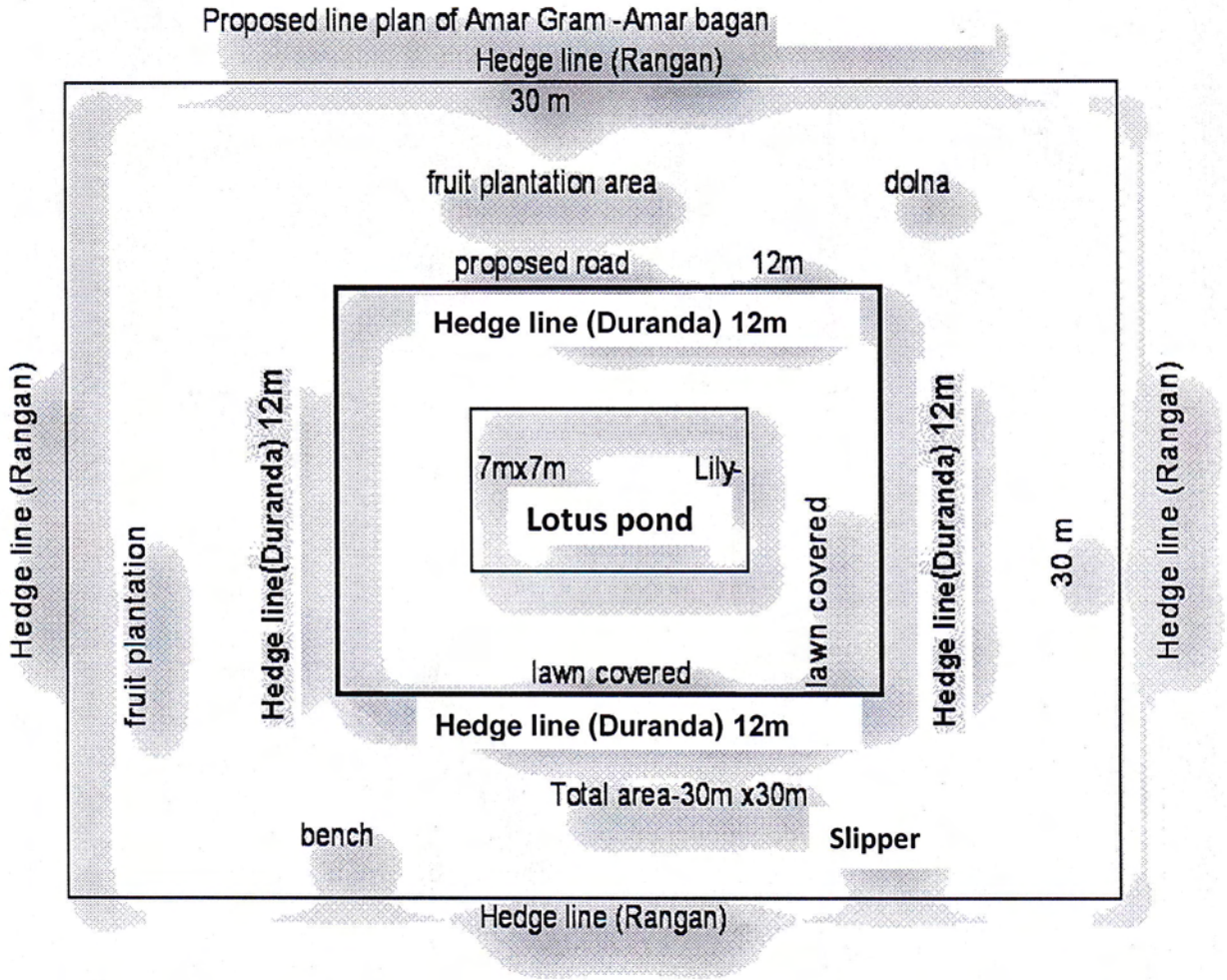
Brief Description of the Scheme

It will be a scheme with good oriented lily-lotus pond, hedge line; ornamental plants of perennial nature & fruit plantation, interior road, slipper platform, sitting arrangement & whole area will be covered under lawn management in "**AMAR GRAM-AMAR BAGAN**" scheme. More –over there will be shallow water body of 7 mt x 7 mt dimension in the middle portion. Pebbles will be used in the pathway which is locally available. The scheme will generate mandays also under MGNREGA and total cost of wage component is Rs 65766 out of total estimated cost of Rs. 2.80 lakh. Biological Protection of plantation will be done by engaging labour @ one laborer per day for six month A line plan of proposed scheme is shown in the following diagram :-



Convergence of the scheme with other department:- It has been decided that the scheme will be executed in convergence with Department of FPI and horticulture . They will provide fruit plants namely Mango under this programme. More-over they will provide training also up to Block level for proper orientation of such type of scheme. More-over maintenance cost for 2nd and 3rd year also be provided by the said department under flagship programme observing norms. Four type of fruit plant namely Mango, Guava, Star apple & Sapota will be used and ornamental plants like Fox –tail, Musanda , Bogain - velia ,Croton will be used. Summary sheet of the scheme is shown in following table:-

Summary Sheet

Sl no.	Item name	No. Of item	Unskilled wage cost (in Rs.)	Material cost (in Rs.)	Total cost (in Rs.)	Material percentage (%)
1	Pond excavation	1	3211.00	254.00	3465.00	7.33
2	Road construction	1	2873.00	20152.00	23025.00	87.52
3	Bench construction	7	3500.00	32256.00	35756.00	90.21
4	M.S. Grill work	1	539.00	36937.00	37476.00	98.56
5	Dolna construction	2	176.00	15036.00	15212.00	98.84
6	Main gate construction	1	500.00	3750.00	4250.00	88.24
7	Sleeper construction	1	3253.00	32899.00	36152.00	91.00
8	Horticulture & Social Forestry		51714.00	73120.00	124834.00	58.57
Grand Total			**65766.00**	**214404.00**	**280170.00**	**76.53**

Detail plan estimate of the scheme :-

Sl. No	Description of Item	Qty	Rate	Labour Component		Materials
				Ssk(nos)	Usk(nos)	
1	Earth work in Excavation of Pond in ordinary mixed soil (Lead upto 160 ft to 240 ft & Lift upto 5ft.) {(23.00 + 3.0)/ 2 } x {(23.0 + 3.0)/ 2 } x 5.000 = Rate of Male earth work in cutting = 50.00 x 1 = 50 cft Rate of Fe-male earth work in cutting = 50.00 x 1 = 50 cft Avg. Earth cutting of Male & Fe-male (Male-50% & Female-50%) 50 x 50 % + 50 x 50 % = 50.00 cft	845.00 cft	@ 1 Usk/ 50.00 cft		17	
2	Surface Dressing of the ground, Including removing vegetation with an average width of 5 ft 4 x 13 x 11.18 + 9 = 590.36 sqft	54.866171 sqm	@ 1 Usk/ 50.00 sqm		1	
4	Water Carrier for providing water to the labours + Baby Care taker out of usk	18 nos	@ 1 Usk/ 100 nos		1	
5	Supervisor for Job card entry,Muster roll preparing attendance taking, helping out of usk	19 nos	@ 1 Ssk/ 25 nos	1		
		Total		1	19	

Countersigned by

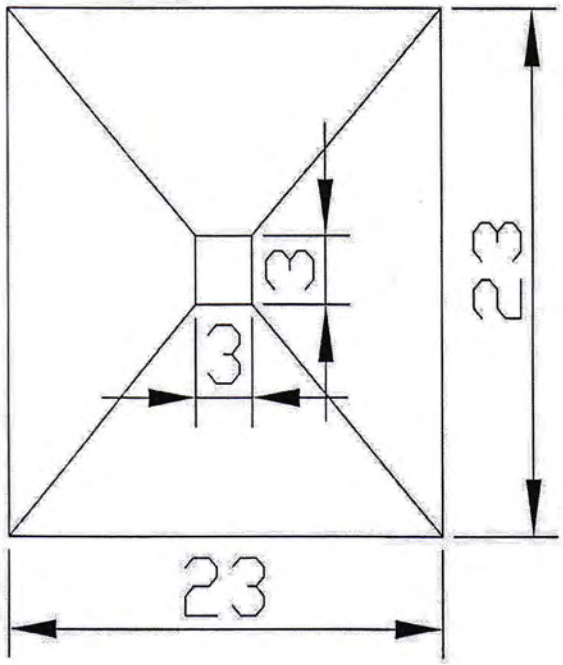
Estimated by

Abstract Cost of Project

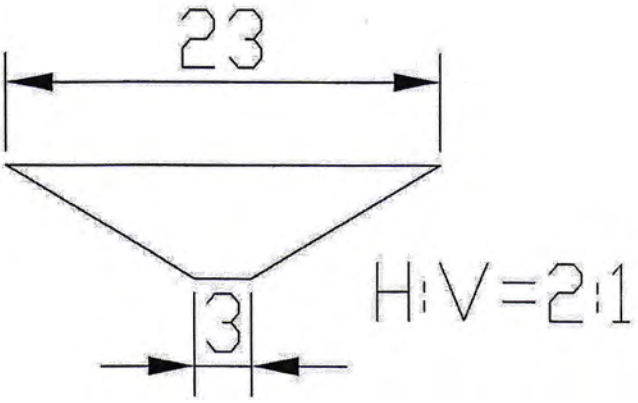
1	Semi-Skilled	1	nos	@	Rs.	253.50	/ Md =	Rs.	253.50
2	Un-Skilled	19	nos	@	Rs.	169.00	/ Md =	Rs.	3211.00
3									
							Total	Rs.	3464.50
							Grand Total	Rs.	3465.00

Vetted By

[Rupees Three Thousand Four Hundred Sixty Five Only]



Elevation of pond



Sectional view of pond

Calculation Sheet

For Road

Sl. No	Description of Items	Unit	No	Length (m)	Breadth (m)	Height (m)	Quantity
1	Box cutting in road embankment , Depth of cutting beyond 25 cm upto 30 cm	m^3	1	13.5	1.50	0.125	2.53
2	Gravel filling (Sand stone)	m^3	4	13.5	1.50	0.100	8.10
3	Sand filling (Fine sand)	m^3	4	13.5	1.50	0.075	6.08
4	Brick on edge (Standard Brick Herringbone bond)	m^2	1	108	0.075	-	8.10

Material consumption

Sl. No.	Descripton of Items	Total Quantity	Unit	Brick (Nos.)	Gravel m3	Sand (Fine) m3 Loose vol.
1	Sand filling (with fine sand) Loose quantity = 6.08 (Com) /0.835(F.S) = 7.28 m3	7.28	m^3	-		7.28
2	Gravel Filling (Sand Stone)	8.10	m^3		8.10	
3	Brick on edge (with Standard Brick Herringbone bond)	108.00	m	864.0		-
Total				**864.0**	**8.10**	7.28
Say				864 nos	8.10 m^3	7.28 m^3

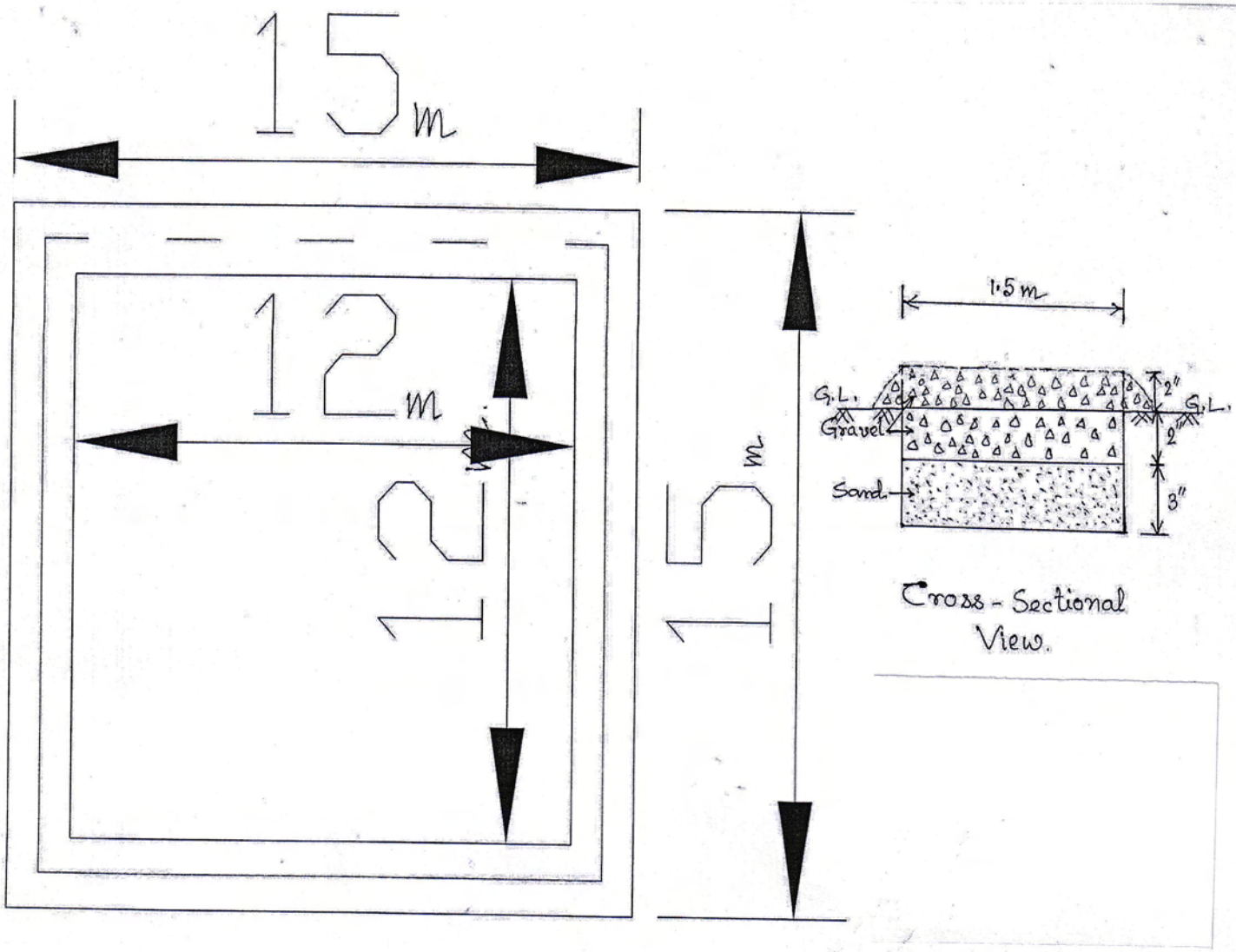
Labour consumption

Sl.No	Desciption of Items	Unit	Quantity	Unskilled Labours	Semi-skilled Labours	Skilled Labour
1	Earth work in excavation @ 1usk/1.95 m3	m^3	2.53	1.30	-	-
2	Box cutting in road embankment , Depth of cutting beyond 25 cm upto 30 cm @ 1usk/12m2	m^2	2.53	0.21	-	-
3	Sand filling (with fine sand)@ 1usk/ 4.6m3	m^3	6.08	1.32	-	-
4	Gravel Fillng @ 15usk, 1ssk & 1 sk / 125m2	m^2	81.00	9.72	0.648	0.648
5	Brick on edge (with Standard Brick Herringbone bond) @ 1usk & 4ssk/100m	m	108.00	4.32	1.08	-
6	Supervisor @ 1ssk/25usk	No	16.87	-	0.67	-
Total				**16.87**	**2.40**	**0.65**
Say				**17.00**	**2.00**	**1.00**

Item	Unit	Quantity	Rate per unit	Amount (Rs.)
Wage Cost:-				
Unskilled Labours	Nos.	17	169.00	2873.00
Non-Wage Cost:-				
Semiskilled Labours (Supervisor)	Nos.	2	253.50	507.00
Skilled labours	Nos.	1	338.00	338.00
Material Cost:-				
1st class Brick	Nos.	864	8.80	7603.20
Sand (fine)	m^3	7.28	495.00	3603.60
Gravel	m^3	8.10	1000 (as per Market rate)	8100.00
				23024.80

Say, Rs. 23,025.00

[Rupees Twenty Three Thousand Twenty Five Only]



Cross - Sectional View.

Estimate for Bench provided in Amar Gram Amar Bagan

Length = 2 metre, Width = 0.5 mt & Height = 0.7 mt above G.L

Each Bench will consists with three supports (Brick Piller), R.C.C seat, Plaster & Net cement finishing.

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
1	Earth work in excavation of foundation trenches orderings in all sorts of soils (including mixed soil but excluding latente or sand stone) i/e removing, spreading or stacking the spoils within a lead of 75m. as directed. The item includes necessary trimming the side of trenches leveling dressing and ramming the bottom bailing out water etc as required complete a)Depth of excavation not exceeding 1500 mm.(Ref. page no 1), Item-2(a) (a)Depth of excavation not exceeding 1500 mm Brick piller in foundation	3	0.8	0.5	0.5	0.60 **0.60**	0.60	m3						
	Labour Lead upto 80 ft & lift upto 5 ft Per Mandays = 62 cft. = 62 cft so (.6 × 35.315)/62 (1cum=35.315cuft) =0.341 nos								0.341 nos					
2	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water ramming complete including the cost of supply of sand . (payment to be made on measurment of finished quantity) Ref. page no 5), Item-4(a) Brick Piller in foundation	3	0.8	0.500	0.050	0.060 **0.06**	0.060	m3				Silver Sand=0.06m3		
	Labour USK 1 PER 4.6 m3 SAND so USK required (0.06/4.6)=0.013 nos								0.013 nos					
3	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level, and filling joints with powdered earth or local sand. (Ref. page no 33, item-1) Under PCC	3	0.8	0.500		1.200 **1.200**	1.200	m2						
	Labour Per 34.0 m2 USK=4 nos & SSK=1 nos USK=(1.2/34.0)×4 = 0.141 nos SSK=(1.2/34.0)×1 = 0.035 nos								0.141 nos	0.04 nos				
	Material As-3228nos/100sqm area Bricks required = (1.2/100)×3228 = 39 nos											Jhama brick= 39 nos		
4	Cement concrete with graded stone ballast (40mm size) excluding shuttering in all floor. i) 6:3:1 proportion. (Ref. page no-59, item-10(a) In foundation	3	0.8	0.500	0.15	0.180 0.180	0.180	m3						
	Labour Per2.0 m3 USK=3 nos & SK=2 nos so USK required = (0.18/2)×3 =0.27 nos SK required = (0.18/2)×2 = 0.18 nos								0.27 nos		0.18 nos			
	Material As stone chips 0.94m3/m3 stone chips required=(0.94× 0.18) = 0.169m3 As sand 0.47m3/m3 Sand required = (0.47×0.18) = 0.0846m3 As cement 0.156m3/m3 cement required =(0.156× 0.18) =(0.028 m3/0.035)bags = 0.8 bags											0.80 bags	0.0846 m3	0.17 m3

Estimate for Bench provided in Amar Gram Amar Bagan

Length = 2 metre, Width = 0.5 mt & Height = 0.7 mt above G.L

Each Bench will consists with three supports (Brick Piller), R.C.C seat, Plaster & Net cement finishing.

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
5	Ordinary cement concrete(mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any,in ground floor as per relivent IS code. (d)With local hard blackstone variety chips (crusher broken) (Ref. page no-33, item-05)													
	For slab in seat	1	2.00	0.5	0.125	0.125								
						0.13	0.13	m3						
	Labour Per1.0 m3 USK=3 nos & SK=2 nos so USK required = (0.13×3) = 0.39 nos SK required = (0.13×2) = 0.26 nos								0.39 nos		0.26 nos			
	Material As stone chips(20 mm down) 0.86m3/m3 stone chips required=(0.86× 0.13) = 0.111 m3 As sand 0.43m3/m3 Sand required = (0.43× 0.13) = 0.055 m3 As cement 0.286m3/m3 cement required =(0.286× 0.13) =(.037 m3/0.035)bags = 1.06 bags											1.06 bags	0.055 m3	0.111 m3
6	Reinforcement for reinforced concrete work in all sorts of structures i/e distribution bars, stirrups, binders etc. including supply of rods, straightening and removal of loose rust (if necessary) cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every inter section complete as per drawing and direction (Ref. page no-65 item-15(a-1)													
	1% of concrete volume 1/100(0.13 x 7850) = 10.205 kg											Reinforcement = 10.205 Kg.		
	Labour Per 220 kg USK=2 nos & SK=3 nos so USK required = (10.205/220)x2 = 0.0927 nos SK required = (10.205/220)x3 = 0.139 nos								0.0927 nos		0.14 nos	Reinforcement = 0.0102 MT		
	Material Rod - 10.205 kg 16 gauge black annealed wire - 1 kg wire per 100 kg of rod so required wire =(10.205/100)x1 = 0.102 kg											Binding Wire = 0.102 Kg.		
7	Brick work with 1st class bricks in cement mortar (6:1) in foundation & plinth (Ref. page no-69, item-22(a)													
	(a) 350 mm thick brick work	3	0.5	0.35	0.3	0.1575								
	(b) 250 mm thick brick work	3	0.5	0.25	0.7	0.2625	0.42	m3						
	Labour Per 1.4 m3 USK=2 nos & SK=1 nos so USK required = (0.42/1.4)x2 = 0.6 nos SK required = (0.42/1.4)= 0.3 nos								0.6 nos		0.3 nos			
	Material As brick 389 nos per m3 Brick required = (0.42x389) = 164 nos As sand 0.33 m3 per m3 Sand Required = (0.42x0.33) = 0.138 m3 As cement 0.055 m3 per m3 Cement required = (0.42x.055) =(0.023m3/0.035) bags = 0.66 bags											Brick= 164 nos 0.66 bags	0.138 m3	

Estimate for Bench provided in Amar Gram Amar Bagan

Length = 2 metre, width = 0.50 metre & height = 0.70 metre above G.L.

Each Bench will consists with three supports (brick piller), RCC seat, plaster& net cement finishing

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
8	Plaster (to outer side etc) with sand and cement mortar (1:6) i/e rounding off or chamfering corners and directed and racking out joints of roughening of concrete surface i/e throating, nosing and drip course where necessary.(15 mm thick)													
	Slab of the bench	2	2.250		0.750	3.375								
	bottom portion of the bench	3	1.500		0.700	3.150								
						6.525	6.525	m2						
	Labour													
	Per 18.0 m2 USK=3 nos & SK=2nos													
	so USK required = (6.525/18)x3 =1.08 nos								1.08 nos					
	SK required = (6.525/18)x2=0.725 nos										0.725 nos			
	Material													
	As cement 0.3 m3 per 100 m2													
	Cement required = (6.525/100)x0.30													
	=(0.019 m3/0.035) bags													
	=0.559 bags											0.56 bags		
	As sand 1.8 m3 per 100 m2													
	Sand Required = (6.525/100)x1.8													
	= 0.117 m3												0.117 m3	
9	Net cement finishing about 1.5 mm thick in wall, dado, window, cilling, floor etc.													
	Slab of the bench	1	2.25	0.75		1.69								
	Total area					1.688	1.688	m2						
	Labour													
	Per 110 m2 USK=1 nos & SK=1nos													
	so USK required = (1.688/ 110)x1 =0.033 nos								0.033 nos					
	so SK required = (1.688/ 110)x1 =0.067 nos										0.067 nos			
	Material													
	As15 kg cement per 100 m2													
	Cement required = (1.688/1000) x 0.15													
	=(0.0025 m3/0.035) bags													
	= 0.0733 bags											0.0733 bags		

ABSTRUCT

Sl. no.	Item description		Quantity	Unit	Rate	Amount
1	USK		2.9607	nos	169.00	500.36
2	SSK		0.04	nos	253.50	10.14
3	SK		1.672	nos	338.00	565.14
4	Bricks		203	nos	8.00	1624.00
5	Silver Sand		0.06	m3	350.00	21.00
6	Reinforcement		10.205	kg	52.00	530.66
7	Medium Sand		0.3946	m3	600.00	236.76
8	Stone chips		0.281	m3	1800.00	505.80
9	Cement		3.153	bags	351.50	1108.28
10	Binding wire		0.102	kg	55.00	5.61
	Total					5107.74

Say Rs. 5108.00

with 90% material cost

costing for total 7 benches = Rs. 5108.00 x 7 = 35756.00

(Rupees thirty five thousand seven hundred fifty six only)

DETAILS ESTIMATE FOR M.S. GRIL WORK BESIDE POND

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
1	Earth work in excavation of foundation trenches orderings in all sorts of soils (including mixed soil but excluding latente or sand stone) i/e removing, spreading or stacking the spoils within a lead of 75m. as directed. The item includes necessary trimming the side of trenches leveling dressing and ramming the bottom bailing out water etc as required complete a)Depth of excavation not exceeding 1500 mm.(Ref. page no 1), Item-2(a) (a)Depth of excavation not exceeding 1500 mm For fixing G.I. Pipe	8	0.300	0.300	0.500	0.360 0.360	0.360	m3						
	Labour Lead upto 80 ft & lift upto 5 ft Per Mandays = 62 cft. = 62 cft so (0.36 × 35.315)/62 (1cum=35.315cuft) =0.21 nos								0.21 nos					
2	Cement concrete with graded stone ballast (40mm size) excluding shuttering in all floor. i) 6:3:1 proportion. (Ref. page no-59, item-10(a) For fixing G.I. Pipe	8	0.3	0.3	0.5	0.36 0.360	0.360	m3						
	Labour Per2.0 m3 USK=3 nos & SK=2 nos so USK required = (0.36/2)×3 =0.54 nos SK required = (0.36/2)×2 =0.36 nos								0.54 nos		0.36 nos			
	Material As stone chips 0.94m3/m3 stone chips required=(0.94×0.36) = 0.34 m3 As sand 0.47m3/m3 Sand required = (0.47×0.36) = 0.17 m3 As cement 0.156m3/m3 cement required =(0.156×0.36) =(0.056 m3/0.035)bags = 1.60 bags											1.60 bags	0.17 m3	0.34 m3
3	M.S or W.I ornamental grill or approved design joints continuously welded with M.S or W.I flats and bars for varandah necessary screws and lugs in ground floor (fitting and fixing) (a)Grill weighing above 10 kg / sqm and upto 16 kg / sqm For main entrance Total required	4	7.00	1.00		28.00	28.00	m2						
	Material (GRILL) 28.00 m2 = 28.00 x 16 kg =448 kg												M.S. Ornamental Gril=448 kg	
	Labour Per 183.40 kg USK=2 nos & SK=1nos so USK required = (448 / 183.40)x1 =2.44 nos SK required = (448/183.40)x2=4.89 nos								2.44 nos		4.89 nos			

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
4	Supply of G.I. Pipe 100 Dia													
	Inclined Post	8	1.300			10.400								
						10.400	10.400	RM				G.I. Pipe = 10.40 M.		
	Total Weight of G.I. Pipe = 10.4*10.205 = 106.132 Kg. (10.205 Kg/M)											G.I. Pipe = 106.132 Kg.		
5	Priming one coat on timber and steel surface with synthetic oil. Bond primer including smoothening surface by sand papering.													
	Grill - =28.00 m2						28.00	m2						
	Steel surface =4.67 m2													
	Wood surface = 91.39 m2													
	Labour													
	Steel surface - 20.0 m2 per 1 no skilled (painter)													
	So SK required = 28/20 = 1.40 nos										1.40 nos			
	Material													
	On steel surface Ready mixed paint 9.7 litter per 100 sqm Primer -2.716 lit													
	Total primer required = 2.716 lit											Primer=2.716 lit.		
6	Painting with best quality synthetic enamel paint of approved make brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface of necessary:													
	Steel surface - 28.00 m2													
	Labour													
	Steel surface - 20.0 m2 per 2 no skilled (painter)													
	So SK required = (28/20)*2 = 2.80 nos										2.80 nos			
	Material													
	For steel surface													
	Paint 17.61 lit per 100 sqm													
	Synthetic enemal paint = 4.93 lit											Paint=4.93 lit		

	ABSTRUCT	Quantity	Unit	Rate	Amount
A	Unskilled Wages	3.19	Nos	169	539.11
	Total				539.11

B	Skilled Wages	9.45	Nos	338	3194.10	
	Stone Chips	0.34	Cum	2000	680.00	
	Sand	0.17	Cum	600	102.00	
	Cement	1.60	Bags	351.5	562.40	
	100 Dia G.I. Pipe	106.132	Kg.	52	5518.86	
	M.S. Gril	448	Kg.	57.03	25549.44	
	Primer	2.716	Kg	103.76	281.81	
	Synthetic enemal paint	4.93	Kg	212.60	1048.12	
	Total				36936.73	37475.84

GRAND TOTAL = (A+B) = Rs. 539.11+Rs. 36936.73 = Rs. 37475.84 Say Rs. 37476.00

DETAILS ESTIMATE FOR DOLNA

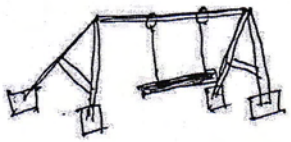
SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
1	Earth work in excavation of foundation trenches orderings in all sorts of soils (including mixed soil but excluding latente or sand stone) i/e removing, spreading or stacking the spoils within a lead of 75m. as directed. The item includes necessary trimming the side of trenches leveling dressing and ramming the bottom bailing out water etc as required complete a)Depth of excavation not exceeding 1500 mm.(Ref. page no 1), Item-2(a) (a)Depth of excavation not exceeding 1500 mm For fixing of G.I Pipe	4	0.300	0.300	0.700	0.252 0.252	0.252	m3						
	Labour Lead upto 80 ft & lift upto 5 ft Per Mandays = 62 cft. = 62 cft so (0.252 × 35.315)/62 (1cum=35.315cuft) =0.0.14 nos								0.14 nos					
2	Cement concrete with graded stone ballast (40mm size) excluding shuttering in all floor. i) 6:3:1 proportion. (Ref. page no-59, item-10(a) For fixing of G.I Pipe	4	0.3	0.3	0.7	0.252 0.252	0.252	m3						
	Labour Per2.0 m3 USK=3 nos & SK=2 nos so USK required = (0.252/2)×3 =0.38 nos SK required = (0.252/2)×2 =0.25 nos								0.38 nos		0.25 nos			
	Material As stone chips 0.94m3/m3 stone chips required=(0.94×0.252) = 0.237 m3 As sand 0.47m3/m3 Sand required = (0.47×0.252) = 0.118 m3 As cement 0.156m3/m3 cement required =(0.156×0.252) =(0.039 m3/0.035)bags = 1.12 bags											1.12 bags	0.118 m3	0.24 m3
3	Supply of G.I. Pipe 100 Dia Inclined Post Top Total Weight of G.I. Pipe = 12.24*10.205 = 124.909 Kg. (10.205 Kg/M)	4 1	2.560 2.000			10.24 2.00 12.240	12.240	RM						G.I. Pipe = 12.24 M. G.I. Pipe = 124.909 Kg.
4	Wooden dolna including Iron chain													

	ABSTRUCT	Quantity	Unit	Rate	Amount
A	Unskilled Wages	0.52	Nos	169	87.88
	Total				87.88

B					
	Skilled Wages	0.25	Nos	338	84.50
	Stone Chips	0.24	Cum	2000	474.00
	Sand	0.118	Cum	600	70.80
	Cement	1.12	Bags	351.5	393.68
	100 Dia G.I. Pipe	124.909	Kg	52.00	6495.27
	Fitting & Fixing of G.I. Pipe including Dolna	L.S.			3000.00
	Total				7518.25

7606.13

GRAND TOTAL = (A+B) = Rs. 87.88+Rs. 7518.25 = Rs. 7606.13 Say Rs. 7606.00



Total 2 (Two) nos. of Dolna provided in Amar Asram Aaron Beyn
Total cost for 2 nos Dolna = Rs. 7606 × 2
Rs. 15212.00

DETAILS ESTIMATE FOR GATE

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
1	Earth work in excavation of foundation trenches orderings in all sorts of soils (including mixed soil but excluding latente or sand stone) i/e removing, spreading or stacking the spoils within a lead of 75m. as directed. The item includes necessary trimming the side of trenches leveling dressing and ramming the bottom bailing out water etc as required complete a)Depth of excavation not exceeding 1500 mm.(Ref. page no 1), Item-2(a) (a)Depth of excavation not exceeding 1500 mm Foundation of Brick Piller	2	0.750	0.750	0.825	0.928 0.928	0.928	m3						
	<u>Labour</u> Lead upto 80 ft & lift upto 5 ft Per Mandays = 62 cft. = 62 cft so (0.928 × 35.315)/62 (1cum=35.315cuft) =0.53 nos								0.53 nos					
2	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water ramming complete including the cost of supply of sand .. (payment to be made on measurment of finished quantity) Ref. page no 5), Item-4(a) Foundation of Brick Piller	2	0.75	0.75	0.2	0.23 0.23	0.230	m3				Silver Sand=0.23 Cum.		
	<u>Labour</u> USK 1 PER 4.6 m3 SAND so USK required (0.23/4.6)=0.05 nos								0.05 nos					
3	Earth work in filling in foundation trenches or plinth with good earth , in layers not exceeding 150 mm.including watering and ramming etc.layer by layer complete.(Payment to be made on the basis of measurement of finished quantity of work) a)With earth obtained from excavation of foundation. Ref. page no 3), Item-3(a)					0.310 0.310	0.31	m3						
	<u>Labour</u> USK 1 PER 3.1 m3 so USK required (0.31/3.1)=0.10 nos								0.10 nos					
4	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level, and filling joints with powdered earth or local sand. (Ref. page no 33, item-1) Foundation of Brick Piller	2	0.75	0.75		1.125 1.125	1.125	m2						
	<u>Labour</u> Per 34.0 m2 USK=4 nos & SSK=1 nos USK=(1.125/34.0)×4 = 0.13 nos SSK=(1.125/34.0)×1 = 0.03 nos								0.13 nos	0.03 nos				
	<u>Material</u> As-3228nos/100sqm area Bricks required = (1.125/100)×3228 = 36.315 nos											Jhama brick=36 nos		

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
5	Cement concrete with graded stone ballast (40mm size) excluding shuttering in all floor. i) 6:3:1 proportion. (Ref. page no-59, item-10(a) Foundation of Brick Piller	2	0.75	0.75	0.1	0.113 0.113	0.113	m3						
	Labour Per2.0 m3 USK=3 nos & SK=2 nos so USK required = (0.113/2)×3 =0.17 nos SK required = (0.113/2)×2 =0.11 nos								0.17 nos		0.11 nos			
	Material As stone chips 0.94m3/m3 stone chips required=(0.94×0.113) = 0.106 m3 As sand 0.47m3/m3 Sand required = (0.47×0.113) = 0.053 m3 As cement 0.156m3/m3 cement required =(0.156×0.113) =(0.018 m3/0.035)bags = 0.51 bags											0.51 bags	0.053 m3	0.11 m3
9	Brick work with 1st class bricks in cement mortar (6:1) in foundation & plinth (Ref. page no-69, item-22(a) (a)250 mm thick brick work Brick piller Foundation (Step-1) Brick piller Foundation (Step-2) Brick piller Foundation (Step-3)	2 2 2	0.625 0.5 0.375	0.625 0.5 0.375	0.15 0.15 0.15	0.117 0.075 0.042 **0.234**	0.234	m3						
	Labour Per 1.4 m3 USK=2 nos & SK=1 nos so USK required = (0.234/1.4)x2 =0.34 nos SK required = (0.234/1.4)=0.17 nos								0.34 nos		0.17 nos			
	Material As brick 389 nos per m3 Brick required = (0.234x389) = 91.03 nos As sand 0.33 m3 per m3 Sand Required = (0.234x0.33) = 0.08 m3 As cement 0.055 m3 per m3 Cement required = (0.234x.055) =(0.012m3/0.035) bags =0.340 bags											Brick=91 nos 0.34 bags	0.08 m3	
10	Brick work with 1st class bricks in cement mortar (6:1) in Super Structure. (Ref. page no-69, item-22(a) (a)250 mm thick brick work	2	0.25	0.25	2.1	0.263	0.263	m3						
	Labour Per 1.1 m3 USK=2 nos & SK=1 nos so USK required = (0.263/1.1)x2 =0.48 nos SK required = (0.263/1.1)=0.24 nos								0.48 nos		0.24 nos			
	Material As brick 389 nos per m3 Brick required = (0.263x389) = 102.3 nos As sand 0.33 m3 per m3 Sand Required = (0.263x0.33) = 0.09 m3 As cement 0.055 m3 per m3 Cement required = (0.263x0.055) =(0.014 m3/0.035)bags =0.40 bags											Brick=102 nos 0.4 bags	0.09 m3	

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
12	Plaster (to outer side etc) with sand and cement mortar (1:6) i/e rounding off or chamfering corners and directed and racking out joints of roughening of concrete surface i/e throating, nosing and drip course where necessary.(15 mm thick) Column 2 1.000 2.100 4.200 Top 2 0.250 0.250 0.125 4.325						4.325	m2						
	Labour Per 18.0 m2 USK=3 nos & SK=2nos so USK required = (4.325/18)x3 =0.72 nos SK required = (4.325/18)x2=0.48 nos								0.72 nos		0.48 nos			
	Material As cement 0.3 m3 per 100 m2 Cement required = (4.325/100)x0.30 =(0.013 m3/0.035) bags =0.37 bags As sand 1.8 m3 per 100 m2 Sand Required = (4.325/100)x1.8 = 0.08 m3											0.37 bags	0.08 m3	
3	M.S or W.I ornamental grill Gate or approved design joints continuously welded with M.S or W.I flats and bars for varandah necessary screws and lugs in ground floor (fitting and fixing) (a)Grill weighing above 10 kg / sqm and upto 16 kg / sqm For main entrance 1 2.50 2.00 5.00 Total required						5.00	m2						
	Material (GRILL) 5.00 m2 = 5.00 x 16 kg =80 kg											M.S. Ornamental Gril=80 kg		
	Labour Per 183.40 kg USK=2 nos & SK=1nos so USK required = (80 / 183.40)x1 =0.44 nos SK required = (80/183.40)x2=0.87 nos								0.44 nos		0.87 nos			
5	Priming one coat on timber and steel surface with synthetic oil. Bond primer including smoothening surface by sand papering. Grill - =5.00 m2						5.00	m2						
	Steel surface =5 m2 **Labour** Steel surface - 20.0 m2 per 1 no skilled (painter) So SK required = 5/20 = 0.25 nos										0.25 nos			
	Material On steel surface Ready mixed paint 9.7 litter per 100 sqm Primer -0.49 lit Total primer required =0.49 lit											Primer=0.49 lit.		
6	Painting with best quality synthetic enamel paint of approved make brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface of necessary: Steel surface - 5.00 m2													
	Labour Steel surface - 20.0 m2 per 2 no skilled (painter) So SK required = (5/20)*2 = 0.50 nos										0.50 nos			
	Material **For steel surface** Paint 17.61 lit per 100 sqm Synthetic enemal paint = 0.88 lit											Paint=0.88 lit		

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR			MATERIAL		
									USK	SSK	SK	CEM	SAND	CHIPS

	ABSTRUCT	Quantity	Unit	Rate	Amount
A	Unskilled Wages	2.96	Nos	169	500.24
	Total				500.24

B	Skilled Wages	2.62	Nos	338	885.56
	Semi-Skilled Wages	0.03	Nos	253.5	7.61
	Stone Chips	0.11	Cum	2000	212.00
	Sand	0.303	Cum	600	181.80
	Cement	1.62	Bags	351.5	569.43
	Bricks (Jhama)	36	Nos	7.8	280.80
	Bricks (1st Class))	193	Nos	8	1544.00
	Silver Sand	0.230	Cum	300	69.00
	M.S. Gril	80	Kg.	57.03	4562.40
	Primer	0.490	Kg	103.76	50.84
	Synthetic enemal paint	0.88	Kg	212.60	187.09
	Total				3750.20

GRAND TOTAL = (A+B) = Rs. 500.24+Rs. 3750.20 = Rs. 4250.20 Say Rs. 4250.00

DETAILS ESTIMATE FOR SLIDING

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
1	Earth work in excavation of foundation trenches orderings in all sorts of soils (including mixed soil but excluding latente or sand stone) i/e removing, spreading or stacking the spoils within a lead of 75m. as directed. The item includes necessary trimming the side of trenches leveling dressing and ramming the bottom bailing out water etc as required complete a)Depth of excavation not exceeding 1500 mm.(Ref. page no 1), Item-2(a)													
	(a)Depth of excavation not exceeding 1500 mm													
	Foundation of Brick Piller	4	0.625	0.625	0.725	1.133								
	Foundation Beam at below G.L.	2	1.000	0.300	0.600	0.360								
	Landing at G.L.	1	1.200	0.700	0.300	0.252								
						1.745	1.745	m3						
	Labour													
	Lead upto 60 ft & lift upto 5 ft													
	Per Mandays = 62 cft.													
	= 62 cft													
	so (1.745 × 35.315)/62 (1cum=35.315cuft)								0.99 nos					
	=0.99 nos													
2	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water ramming complete including the cost of supply of sand . (payment to be made on measurment of finished quantity) Ref. page no 5), Item-4(a)													
	Foundation of Brick Piller	4	0.625	0.625	0.2	0.31								
	Foundation Beam at below G.L.	2	1	0.3	0.15	0.09								
	Landing at G.L.	1	1.2	0.7	0.15	0.126								
	Labour					0.53	0.529	m3						
	USK 1 PER 4.6 m3 SAND													
	so USK required (0.53/4.6)=0.12 nos								0.12 nos					
3	Earth work in filling in foundation trenches or plinth with good earth , in layers not exceeding 150 mm.including watering and ramming etc.layer by layer complete.(Payment to be made on the basis of measurement of finished quantity of work) a)With earth obtained from excavation of foundation. Ref. page no 3), Item-3(a)													
						0.580								
							0.58	m3						
	Labour					0.580								
	USK 1 PER 3.1 m3													
	so USK required (0.58/3.1)=0.19 nos								0.19 nos					
4	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level, and filling joints with powdered earth or local sand. (Ref. page no 33, item-1)													
	Foundation of Brick Piller	4	0.625	0.625		1.563								
	Foundation Beam at below G.L.	2	1	0.3		0.600								
	Landing at G.L.	1	1.2	0.7		0.840								
						3.003	3.003	m2						
	Labour													
	Per 34.0 m2 USK=4 nos & SSK=1 nos													
	USK=(3.003/34.0)×4 = 0.35 nos								0.35 nos					
	SSK=(3.003/34.0)×1 = 0.09 nos									0.09 nos				
	Material													
	As-3228nos/100sqm area													
	Bricks required = (3.003/100)×3228													
	= 96.94 nos											Jhama brick=97 nos		

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
5	Cement concrete with graded stone ballast (40mm size) excluding shuttering in all floor. i) 6:3:1 proportion. (Ref. page no-59, item-10(a)													
	Foundation of Brick Piller	4	0.625	0.625	0.15	0.234375								
	Foundation Beam at below G.L.	2	1	0.3	0.075	0.05								
	Landing at G.L.	1	1.2	0.7	0.075	0.063								
						0.342	0.342	m3						
	Labour Per2.0 m3 USK=3 nos & SK=2 nos so USK required = (0.342/2)×3 =0.51 nos SK required = (0.342/2)×2 =0.34 nos								0.51 nos		0.34 nos			
	Material As stone chips 0.94m3/m3 stone chips required=(0.94×0.342) = 0.32 m3													0.32 m3
	As sand 0.47m3/m3 Sand required = (0.47×0.342) = 0.16 m3												0.16 m3	
	As cement 0.156m3/m3 cement required =(0.156×0.342) =(0.053 m3/0.035)bags = 1.51 bags											1.51 bags		
6	Ordinary cement concrete(mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any,in ground floor as per relivent IS code. (d)With local hard blackstone variety chips (crusher broken) (Ref. page no-33, item-05)													
	Slab	1	7.02	1	0.125	0.878								
	Landing at G.L.	1	0.7	1.2	0.125	0.105								
	Ground Beam	2	1	0.25	0.3	0.150								
	Slab Beam	4	0.75	0.2	0.2	0.12								
	stair rise(total-9 nos)	9	(0.85×0.20×0.25)/2			0.191								
						1.444	1.444	m3						
	Labour Per1.0 m3 USK=3 nos & SK=2 nos so USK required = (1.444×3) =4.33 nos SK required = (1.444×2) =2.89 nos								4.33 nos		2.89 nos			
	Material As stone chips(20 mm down) 0.86m3/m3 stone chips required=(0.86×1.444) = 1.24 m3													1.24 m3
	As sand 0.43m3/m3 Sand required = (0.43×1.444) =0.62 m3												0.62 m3	
	As cement 0.286m3/m3 cement required =(0.286×1.444) =(0.413 m3/0.035)bags = 11.80 bags											11.80 bags		
7	Reinforcement for reinforced concrete work in all sorts of structures i/e distribution bars, stirrups, binders etc. including supply of rods, straightening and removal of loose rust (if necessary) cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every inter section complete as per drawing and direction (Ref. page no-65 item-15(a-1)													
	1.0% of concrete volume 1.0/100(1.444 x 7850) = 113.35 kg													Reinforcement =113.35 Kg.
	Labour Per 220 kg USK=2 nos & SK=3 nos so USK required = (113.35/220)x2 =1.03 nos SK required = (113.35/220)x3 =1.55 nos								1.03 nos		1.55 nos			Reinforcement =0.113 MT
	Material Rod - 113.35 kg 16 gauge black annealed wire - 1 kg wire per 100 kg of rod so required wire =(113.35/100)x1 = 1.13 kg													Binding Wire =1.13 Kg.

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
8	Hire & labour charges for shuttering with centering and necessary staging upto 4m. using approved stout props and thick hard wood planks of approved thickness with required bracing for concretes slabs beams, columns, lintels curved of straight i/e fittings, fixing and striking out after completion of works (upto roof of ground floor) (Ref. page no-61 item-12(a) (a)25 mm to 30 mm thick wooden shuttering as per decision and derection of E.I.C For P.C.C													
		4	2.5	0.15		1.50								
		2	2.6	0.075		0.39								
		1	2.6	0.075		0.20								
	For R.C.C.													
		1	7.02	1.25		8.78								
		1	2.6	0.125		0.33								
	Steps	10	0.2	0.85		1.70								
	Slab Beam (Out Side)	4	1	0.2		0.80								
	Slab Beam (In Side)	4	0.5	0.2		0.40								
	Slab Beam (Bottom)	4	0.5	0.2		0.40								
	Ground Beam (Side)	2	1	0.6		1.20								
	Ground Beam (Face)	4	0.25	0.3		0.30								
	Side (long type)	1	2	4.08	0.25	2.04	18.03	m2						
						18.03								
	Labour Per 14 m2 USK=1 nos & SK=2 nos so USK required = (18.03/14) =1.29 nos SK required = (18.03/14)x2=2.58 nos								1.29 nos		2.58 nos			
	Material Plank with Runner & Mood -839.59 m2 Nail - 2 kg Paper -0.65 kg											Plank with Runner & Mood=18.03 Sqm. Nail = 2 Kg. Paper = 0.65 Kg.		
9	Brick work with 1st class bricks in cement mortar (6:1) in foundation & plinth (Ref. page no-69, item-22(a) (a)250 mm thick brick work													
	Brick piller Foundation (Step-1)	4	0.525	0.525	0.15	0.165								
	Brick piller Foundation (Step-2)	4	0.375	0.375	0.15	0.084								
						0.250								
							0.250	m3						
	Labour Per 1.4 m3 USK=2 nos & SK=1 nos so USK required = (0.25/1.4)x2 =0.36 nos SK required = (0.25/1.4)=0.18 nos								0.36 nos		0.18 nos			
	Material As brick 389 nos per m3 Brick required = (0.25x389) = 97.25 nos As sand 0.33 m3 per m3 Sand Required = (0.25x0.33) = 0.08 m3 As cement 0.055 m3 per m3 Cement required = (0.25x.055) =(0.014m3/0.035) bags =0.40 bags											Brick=98 nos 0.4 bags	0.08 m3	

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
10	Brick work with 1st class bricks in cement mortar (6:1) in Super Structure. (Ref. page no-69, item-22(a) (a)250 mm thick brick work	4	0.25	0.25	1.675	0.419	0.419	m3						
	Labour Per 1.1 m3 USK=2 nos & SK=1 nos so USK required = (0.419/1.1)x2 =0.76 nos SK required = (0.419/1.1)=0.38 nos								0.76 nos		0.38 nos			
	Material As brick 389 nos per m3 Brick required = (0.419x389) = 162.99 nos											Brick=163 nos		
	As sand 0.33 m3 per m3 Sand Required = (0.419x0.33) = 0.14 m3												0.14 m3	
	As cement 0.055 m3 per m3 Cement required = (0.419x0.055) =(0.023 m3/0.035)bags =0.66 bags											0.66 bags		
11	75 mm thick Brick work with 1st class bricks in cement mortar (4:1) in Super Structure. (Ref. page no-69, item-22(a) (a) 75 mm thick brick work	2	7.02		0.7	9.828 9.828	9.828	m2						
	Labour Per 24.0 m2 USK=3 nos & SK=2 nos so USK required = (9.828/24)x3 =1.13 nos SK required = (9.828/24)x2=0.82 nos								1.13 nos		0.82 nos			
	Material As brick 3014 nos per 100 m2 Brick required = (30.14x9.828) = 296.22 nos											Brick=296.22 nos		
	As sand 2.286 m3 per 100 m2 Sand Required = (.02286x244.741) = 0.22 m3												0.22 m3	
	As cement 0.571 m3 per 100 m2 Cement required = (.00571x9.828) =(0.056 m3/0.035) bags =1.60 bags											1.6 bags		

SL NO	DESCRIPTION OF ITEM	NO	LENGTH Metre	BREADTH Metre	HEIGHT Metre	Quantity	TOTAL Quantity	UNIT	LABOUR USK	LABOUR SSK	LABOUR SK	MATERIAL CEM	MATERIAL SAND	MATERIAL CHIPS
12	Plaster (to outer slide etc) with sand and cement mortar (1:6) i/e rounding off or chamfering corners and directed and racking out joints of roughening of concrete surface i/e throating, nosing and drip course where necessary.(15 mm thick)													
	Column	4	1.000		1.675	6.700								
	Top of Slab	1	4.010		0.850	3.409								
		1	0.825		1.450	1.196								
	Bottom of slab	1	1.000	7.02		7.020								
	Steps	9	0.450		0.850	3.443								
	Beam (Out side)	4	1.000		0.200	0.800								
	Beam (In side)	4	0.500		0.200	0.400								
	Beam (Bottom)	4	0.500		0.200	0.400								
	Railing	2	7.020		1.600	22.464								
						45.831	45.831	m2						
	Labour Per 18.0 m2 USK=3 nos & SK=2nos so USK required = (45.831/18)x3 =7.65 nos SK required = (45.831/18)x2=5.10 nos								7.65 nos		5.10 nos			
	Material As cement 0.3 m3 per 100 m2 Cement required = (45.831/100)x0.30 =(0.14 m3/0.035) bags =4 bags											4.00 bags		
	As sand 1.8 m3 per 100 m2 Sand Required = (45.831/100)x1.8 = 0.82 m3												0.82 m3	
13	Net cement finishing about 1.5 mm thick in wall dado , Window cill floor etc.													
	Railing	2	7.020		1.600	22.464								
	Top of Slab	1	4.010		0.850	3.409								
		1	0.825		1.450	1.196								
						27.069	27.069	m2						
	Labour Per 50.0 m2 USK=1 nos & SK=2 nos so USK required = (27.069/50)x1 =0.54 nos SK required = (27.069/50)x2=1.08 nos								0.54 nos		1.08 nos			
	Material As cement 0.152 m3 per 100 m2 Cement required = (27.069/100)x0.152 =(0.041 m3/0.035) bags =1.17 bags											1.17 bags		

	ABSTRUCT	Quantity	Unit	Rate	Amount
A	Unskilled Wages	19.25	Nos	169	3253.25
	Total				3253.25

B	Skilled Wages	14.92	Nos	338	5042.96
	Semi-Skilled Wages	0.09	Nos	253.5	22.82
	Stone Chips	1.56	Cum	2000	3120.00
	Sand	2.04	Cum	600	1224.00
	Cement	21.14	Bags	351.5	7430.71
	Bricks (Jhama)	97	Nos	7.8	756.60
	Bricks (1st Class))	557	Nos	8	4456.00
	Silver Sand	0.529	Cum	300	158.55
	Plank with Runner & Mood	18.03	Sqm	250	4507.50
	Nail	2	Kg	90	180.00
	Paper	0.65	Kg	100	65.00
	Rod	0.113	MT	52000	5876.00
	Binding Wire	1.13	Kg	52	58.76
	Total				32898.90

GRAND TOTAL = (A+B) = Rs. 3253.25+Rs. 32898.90 = Rs. 36152.15 Say Rs. 36152.00

Estimate of Amar Gram -Amar bangla (Horticulture part)under MGNREGS.

Nature of Soil = Ordinary mixed medium Soil.

No of fruit plants required (675 sqm)= 27 (at a Spacing of (5m x 5m)

No of palm plants like Fox tail required (120m)(at a Spacing of 5ft.) + ornamental plant like bougainvellia, crotton, musanda etc.(60m at spacing of 5 m)=80+15=95

Nos of plants required for 240 mt .hedge line (double line) @ 10 cm plant to plat distance and 15 cm distance between two rows = 4800 nos.

A. LABOUR COMPONENT:

Sl. no.	Nature of Works.	Labour required (Mandays)	Unit	Rate in Rs.	Amount in Rs.
1	Survey & demarcation.	1	Nos	169.00	169.00
2	Cleaning Planting side by cutting bushes,weeds & removing the same.	8	Nos	169.00	1352.00
3	Alligements of pits	1	Nos	169.00	169.00
4	Digging plantation pits of size* 1 m x 1 mx 1 m 122 NOS Pit & 62 cft/ mandays.	73	Nos	169.00	12337.00
11	Cutting of trenchs for hedge line (Size of trench, Depth=1 ft and Width = 1 ft) with application after mixing manure, fertilizer and soil including filling up the trenchs.(hedge area-240 m)	13	Nos	169.00	2197.00
12	Planting potted plants in pits for hedge line including carriage from nursery up to work site.(200 plants/m.d.) & other palm ,fruit plant,ornamental plantation	25	Nos	169.00	4225.00
13	Cutting of hedge in one time during 6 months from start of plantation and clealing the same from plantation area.	3	Nos	169.00	507.00
14	soil dressing & carpet form lawn spreading (lawn area-95 sqm)	2	Nos	169.00	338.00
15	Biological protection of plantation & watering by engaging mazdoor for 6 months from start of plantation @ 1 labour/ month.	180	Nos	169.00	30420.00
	Total	**306**		169.00	**51714.00**

B Materials component:-

Sl. no.	Description	Quantity	Unit	Rate	Amount
1	Cost of Chemical fertilizer required for fruit plants (27 x 0.5 kg)	13.5	Kg	25.00	337.50
2	Cost of Composed required for fruit plants 27 nos (10 kg/plant) + L.S. 100 Kg for hedge,palm plant & lawn management.	370	Kg	4.00	1480.00
4	Cost of insecticides & fungicide L.S.				1000.00
5	Cost of plants				
	Mango, (grafted)	10	Nos	20.00	200.00
	Guava (cutting)	10	Nos	14.00	140.00
	Fox tail palm 2 ft height. (grafted)	80	Nos	120.00	9600.00
	Litchi (grafted)	3	Nos	20.00	60.00
	Star apple(jamrul) (grafted)	2	Nos	10.00	20.00
	Sapota (grafted)	2	Nos	20.00	40.00
	Croton sp.(Between proposed road & pond in lawn area it should be planted) 2 ft height	5	Nos	30.00	150.00
	Bougainvellia biclour (Between proposed road & pond in lawn area it should be planted) 2 ft height	5	Nos	30.00	150.00
	Musanda (Between proposed road & pond in lawn area it should be planted) 2 ft height	5	Nos	30.00	150.00
	Hedge plants (Rangan)	2400	Nos	8.00	19200.00
	Hedge plants (Golden Duranta)	2400	Nos	5.00	12000.00
	Cost of lawn ---1022 sq ft @ 25/ sq ft	1022	sq ft	25.00	25550.00
6	Cost of supervisor (SHG)	12	Nos	253.5	3042.00
	Total				**73119.50**
	Grand Total = (A+B)				**124833.50**

Or say 124834.00 (one lakhs twenty four thousands eight hundred thirty three only)