



“वृक्षवल्ली आम्हा सोयरे वनचरे”



महाराष्ट्र शासन

उप वनसंरक्षक, अलिबाग यांचे कार्यालय, अलिबाग

मु.पो.हिराकोट तलावाजवळ अलिबाग ता.अलिबाग जि.रायगड पी.नं. ४०२ २०१

दूरध्वनी क्र ०२१४१-२२२०१६/२२२२१६ Email ID: dycfalibag@mahaforest.gov.in

जावक क्रमांक: ब/२०/जमीन/वसं/२८६२/२०२५-२६.

दिनांक: १०/०९/२०२५.

प्रति,

मुख्य प्रबंधक (निर्माण),

गेल (इंडिया) लिमिटेड, सीबीडी बेलापुर,

नवी मुंबई

विषय:- वन जमिन रायगड.

Re-diversion of 1.7830 ha. Forest land under section 2 of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 for old Uran-Usar propane pipeline laying 12" dia Liquid Propane along with OFC in Tai. Alibag, Dist. Raigad in the State of Maharashtra - regarding.

संदर्भ:- १) केंद्रशासनाचे पत्र क्र. एफ नं. एफसी-III/एमएच-३९१/२०२४-एनजीपी/१३५१६,

दिनांक ०५.०९.२०२४

२) केंद्रशासनाचे पत्र क्र. एफ नं. एफसी-III/एमएच-३९१/२०२४-एनजीपी/१३९२०

दिनांक १६.०९.२०२५

३) प्रकल्प यंत्रणेचे पत्र क्रमांक GAIL/UUPL/Alibag/RD/२०२५/०१

दिनांक ०३.०२.२०२५

४) या कार्यालयाचे पत्र क्र. अ/२०/जमीन/वसं/२३२४, दिनांक १७.०२.२०२५

५) शासन पत्र क्र. एफएलडी-१३२४/प्र.क्र.८८/फ-१०, दिनांक ०४.०६.२०२५

६) या कार्यालयाचे पत्र क्रमांक ब/२०/जमीन/वसं/१४५६, दिनांक २४.०६.२०२५

७) वन परिक्षेत्र अधिकारी, अलिबाग यांचे पत्र क्रमांक अ/२०/जमीन/४७२,

दिनांक ०९.०९.२०२५

केंद्र शासनाचे संदर्भित पत्र क्रमांक २ अन्वये वन (संवर्धन) अधिनियम, १९८० अंतर्गत विषयांकित वनजमिन मागणीचा अट क्रमांक १ ते १६ चे अधिन राहून अंतिम मान्यता प्रदान करण्यात आली आहे. सदर अंतिम मंजूरी पत्रातील अटी/शर्तीनुसार प्रकल्प यंत्रणेकडील संदर्भित पत्र क्र. ३

अन्वये पूर्तता अहवाल सादर केला आहे. त्याअनुषंगाने या कार्यालयाचे संदर्भित पत्र क्र. ४ अन्वये केंद्र शासनाचे अंतिम मंजूरी पत्रांतील अटी शर्तीनिहाय पुर्तता अहवाल आवश्यकत्या दस्तऐवजासह वरिष्ठांस सादर करणेत आलेले आहे. तदनंतर शासन संदर्भित पत्र क्रमांक ५ अन्वये अंतिम मंजूरी पत्राची अटी/शर्तीचा पुर्तता अहवालाच्या अनुषंगाने अट क्रमांक २ व ५ बाबत मुददे उपस्थित केलेले आहेत.

त्याअनुषंगाने केंद्रशासनाचे अंतिम मंजूरी पत्रातील अट क्रमांक २ चे अनुषंगाने या कार्यालयाचे संदर्भित पत्र क्रमांक ६ मधील सुचनानुसार, वन परिक्षेत्र अधिकारी, अलिबाग यांचेकडील संदर्भित पत्र क्रमांक ७ अन्वये सदर प्रस्तावात बाधीत होणारे वनक्षेत्राचे सिमांकनाचे Boundry Demarcation Pillars चे रक्कम रु. १६,५४,५१३/- (सोळा लक्ष चौपन्न हजार पाचशे तेरा मात्र) चे अंदाजपत्रक या कार्यालयाकडे सादर केले आहे.

त्याअनुषंगाने कळविणेत येते की, सदर प्रस्तावात बाधीत होणारे वनक्षेत्राचे सिमांकनाचे (Boundary Demarcation Pillars) आवश्यक १६,५४,५१३/- (सोळा लक्ष चौपन्न हजार पाचशे तेरा मात्र) या अंदाजपत्रकीय रक्कम कॅम्पाकडे भरणा करून, अंतिम मंजूरी पत्रातील अट क्रमांक २ व ५ चे अनुषंगाने आवश्यक दस्तऐवजासह ५ प्रतीत अहवाल या कार्यालयास सादर करावा.


(राहुल पाटील, भा.व.से.)

सहपत्र:- वरील प्रमाणे.

उप वनसंरक्षक,
अलिबाग वन विभाग, अलिबाग.

प्रतिलिपी:- अपर प्रधान मुख्य वनसंरक्षक व केंद्रस्थ अधिकारी, महाराष्ट्र राज्य, नागपूर यांचेकडे माहितीसाठी सादर.

प्रतिलिपी:- मुख्य वनसंरक्षक, ठाणे यांचेकडे माहितीसाठी सादर.

प्रत:- सहा. वनसंरक्षक, अलिबाग व वन परिक्षेत्र अधिकारी, अलिबाग यांना माहिती व जरूरत्या कार्यवाहीसाठी रवाना.

Demarcation Estimate

Range: Alibag

Division: Alibag

Estimate – INR 16,54,513.00

DETAIL ESTIMATE

FOREST DEPARTMENT



Division - Alibag
Alibag - Range

Erection of Boundary Demarcation Pillars

Class I	75 Nos
Class II	68 Nos

Name of Work:- Boundary Demarcation Pillars at Uran - Usar Pipeline,

Village Talashet, Dalvi Kharoshi, Bopoli, Beloshi, Kune, Tal. Alibag.

Work Portion Amount Rs. = 16,54,513/-

FACE SHEET

Division **Alibag**
Sanction Estimate :-
Fund Head :-
Major Head :-
Minor Head :-
Service Head :-
Departmental Head :-

Estimate framed in the office of the Range Forest Office, Alibag Range and the probable expenses that will incurred in the Erection of boundary demarcation pillar

Village of Talashet, Dalvi Kharoshi, Bopoli, Beloshi, Kune, Taluka Alibag

Total Amount Rs. = 16,54,513/-

Administrative approved under No. Dated

Technically sanctioned under No. Dated

Estimate prepared by Shri

Estimate Checked by Shri

Call of Authority **D.F.O., Alibag**

General Description as per separate sheet attached


Range Forest Officer
Alibag


(Rahul Patil, IFS)
Deputy Conservator of Forest,
Alibag Forest Division, Alibag

ESTIMATE

Division :- Alibag Forest Division
Range :- Alibag Forest Range

Name of Work: -

For Re-Diversion of 1.7830 Ha forest land for laying 12" Dia Liquid Propane Pipeline along with OFC from Uran to Usar across Reserved / Revenue Forest in Right of Way/Use of alibag forest division in Raigad District for Re-Diversion forest proposals falling under your Jurisdiction

Class-I Pillars 75 Nos

Class-II Pillars 68 Nos

Rs. = 16,54,513/-

GENERAL DESCRIPTION

SI No	Details :	Length	Area in Ha
1	Village - Talashet, Survey No - 42 (34)	155.36	0.0777
2	Village - Talashet, Survey No - 42 (34)	41.99	0.021
3	Village - Talashet, Survey No - 64 (51)	37.36	0.0187
4	Village - Talashet, Survey No - 68 (58)	23.12	0.0116
5	Village - Dalvi Kharoshi, Survey No - 13	16.13	0.0081
6	Village - Bopoli, Survey No - 23	138.96	0.0695
7	Village - Bopoli, Survey No - 22	163.42	0.0817
8	Village - Bopoli, Survey No - 22	170.02	0.085
9	Village - Bopoli, Survey No - 17	330.91	0.1655
10	Village - Bopoli, Survey No - 37	111.76	0.0559
11	Village - Dalvi Kharoshi, Survey No - 13	552.48	0.2762
12	Village - Beloshi, Survey No - 90, 110, 168	1050.53	0.5253
13	Village - Kune, Survey No - 98	654.34	0.3272
14	Village - Kune, Survey No - 152 (49/3)	29.72	0.0149
15	Village - Kune, Survey No - 158 (52)	89.44	0.0447
Total		3565.54	1.783

Name of Work: -

For Re-Diversion of 1.7830 Ha forest land for laying 12" Dia Liquid Propane Pipeline along with OFC from Uran to Usar across Reserved / Revenue Forest in Right of Way/Use of alibag forest division in Raigad District for Re-Diversion forest proposals falling under your Jurisdiction

RECAPITULATION SHEET

SI No	Description	Amount (in Rs)
1	Estimated Civil Cost	13,10,856.41
2	Add G.S.T. @ 18 %	2,35,954.00
3	Add Contingencies @ 4 %	52,434.00
4	Add for Labour Insurance @ 1 %	13,109.00
5	Add for Estimate Charges	29,494.00
6	Add for Royalty Charges	5,251.03
7	Add for Material Checking charges	7,415.00
	Total Amount	16,54,513.00

Name of Work: -

For Re-Diversion of 1.7830 Ha forest land for laying 12" Dia Liquid Propane Pipeline along with OFC from Uran to Usar across Reserved / Revenue Forest in Right of Way/Use of alibag forest division in Raigad District for Re-Diversion forest proposals falling under your Jurisdiction

Forest Division - Alibag Forest Division

Forest Range - Alibag

ABSTRACT

Qty	Item of Work	Rate	Unit	Amount
28600.00	Item No. 1:- Removing Grass, Gazer Grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.	6.60	Sqmt	1,88,760.00
40.2810	Item No. 2:- Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means	227.70	Cum	9,171.98
20.14	Item No. 3 :- Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	2211.79	Cum	44,546.56
76.97	Item No. 4:- Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	8425.92	Cum	6,48,516.94
483.21	Item No. 5:- Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:3 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete.	233.61	Sqmt	1,12,882.69
37.82	Item No. 6:- Providing and applying two coats of flat oil paint of approved colour and shade to internal / external plastered surfaces including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) etc. complete.	111.10	Sqmt	4,202.19
4576.00	Item No. 7:- Painting letters upto 20 cm height complete brushes, coir brushers, dusting, cleaning, including cost of paint etc. complete.	31.90	Nos	1,45,974.40
483.21	Item No. 8:- Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning, preparing the plaster surface, applying primer coat ,scaffolding if necessary, and watering the surface for two days etc complete.	324.50	Sqmt	1,56,801.65
Total				13,10,856.41

	Item No. 9:- Royalty Charges. @ 0			--
3.67	1. Sand	237.37	Cum	871.72
20.26	2. Rubble	216.18	Cum	4,379.31
		Total		5,251.03
	Item No. 10:- Material Checking charges.			7,415.00

Name of Work: -

For Re-Diversion of 1.7830 Ha forest land for laying 12" Dia Liquid Propane Pipeline along with OFC from Uran to Usar across Reserved / Revenue Forest in Right of Way/Use of alibag forest division in Raigad District for Re-Diversion forest proposals falling under your Jurisdiction

Forest Division - Alibag Forest Division

Forest Rang - Alibag

MEASUREMENT SHEET

<u>Class-I Pillars</u>	<u>75</u>
<u>Class-II Pillars</u>	<u>68</u>

Item No 1: - Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.

Class-I Pillars = $75 \times 100.00 \times 2.00 = 15,000.00$ Sqmt

Class-II Pillars = $68 \times 100.00 \times 2.00 = 13,600.00$ Sqmt

Total = 28,600.00 Sqmt

Item No. 2: - Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed...

Class-I Pillars = $75 \times 1.10 \times 1.10 \times 0.30 = 27.23$ Cum

Class-II Pillars = $68 \times 0.80 \times 0.80 \times 0.30 = 13.06$ Cum

Total = 40.28 Cum

Item No. 3: - Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete..

Class-I Pillars = $75 \times 1.10 \times 1.10 \times 0.15 = 13.61$ Cum

Class-II Pillars = $68 \times 0.80 \times 0.80 \times 0.15 = 6.53$ Cum

Total = 20.14 Cum

Item No. 4: - Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap / granite / quartzite / gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying / pumping, compacting.....

Volume of one Class-I Pillar (Ref. Drawing) = 0.741Cum

Volume of one Class-II Pillar (Ref. Drawing) = 0.289 Cum

Class-I Pillars = $75 \times 0.741 = 55.58$ Cum

Class-I Pedestal at top = $75 \times 0.23 \times 0.23 \times 0.23 = 0.91$ Cum

Class-II Pillars = $68 \times 0.289 = 19.65$ Cum

Class-II Pedestal at top = $68 \times 0.23 \times 0.23 \times 0.23 = 0.83$ Cum

Total = 76.97 Cum

Name of Work: -

For Re-Diversion of 1.7830 Ha forest land for laying 12" Dia Liquid Propane Pipeline along with OFC from Uran to Usar across Reserved / Revenue Forest in Right of Way/Use of alibag forest division in Raigad District for Re-Diversion forest proposals falling under your Jurisdiction

Forest Division - Alibag Forest Division

Forest Rang - Alibag

MEASUREMENT SHEET

Item No. 5: - Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:3 without neeru finish to concrete surface in all positions including scaffolding and curing etc.....

$$\text{Class-I Pillars} = 75 \times 4.00 \times (0.90 + 0.60)/2 \times 1.30 = 292.50 \text{ Sqmt}$$

$$\text{Class-I Side Top \& Pedestal Top} = 75 \times 0.60 \times 0.60 = 27.00 \text{ Sqmt}$$

$$\text{Class-II Pillars} = 68 \times 4.00 \times (0.60 + 0.45)/2 \times 1.05 = 149.94 \text{ Sqmt}$$

$$\text{Class-II Side Top \& Pedestal Top} = 68 \times 0.45 \times 0.45 = 13.77 \text{ Sqmt}$$

$$\text{Total} = 483.21 \text{ Sqmt}$$

Item No. 6: - Providing and applying two coats of flat oil paint of approved colour and shade to internal / external plastered surfaces including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) etc....

$$\text{Class-I Pillars Sides} = 75 \times 4.00 \times (0.83 + 0.60)/2 \times 0.23 = 15.87 \text{ Sqmt}$$

$$\text{Class-I Pillars Pedestral block sides} = 75 \times 1 \times 0.23 \times 0.23 = 3.97 \text{ Sqmt}$$

$$\text{Class-II Pillars Sides} = 68 \times 4.00 \times (0.60 + 0.45)/2 \times 0.23 = 14.39 \text{ Sqmt}$$

$$\text{Class-II Pillars Pedestral block sides} = 68 \times 1 \times 0.23 \times 0.23 = 3.60 \text{ Sqmt}$$

$$\text{Total} = 37.82 \text{ Sqmt}$$

Item No. 7: - Painting letters upto 20 cm height complete brushes, coir brushers, dusting, cleaning, including cost of paint etc. complete.....

$$\text{Class-I Pillars} = 75 \times 4 \times 8 = 2,400 \text{ Nos}$$

$$\text{Class-II Pillars} = 68 \times 4 \times 8 = 2,176 \text{ Nos}$$

$$\text{Total} = 4,576.00 \text{ Nos}$$

Item No. 8: - Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning, preparing the plaster surface, applying primer coat...

$$\text{Qty. same as Item No. 5} = 483.21 \text{ Sqmt}$$

Name of Work: -

For Re-Diversion of 1.7830 Ha forest land for laying 12" Dia Liquid Propane Pipeline along with OFC from Uran to Usar across Reserved / Revenue Forest in Right of Way/Use of alibag forest division in Raigad District for Re-Diversion forest proposals falling under your Jurisdiction

Forest Division - Alibag Forest Division

Forest Rang - Alibag

MEASUREMENT SHEET

Item No. 9: - Royalty charges.

1. Rubble - $76.97 \times 0.2632 = 20.258$ Cum

2. Sand in Plaster - $483.21 \times 0.0076 = 3.67$ Cum

Total = 23.93 Cum

Item No. 10: - Material checking charges.. @7415

Name of Work: -

For Re-Division of 1.7830 Ha forest land for laying 12" Dia Liquid Propane Pipeline along with OFC from Uran to Usar across Reserved / Revenue Forest in Right of Way/Use of alibag forest division in Raigad District for Re-Division forest proposals falling under your Jurisdiction

Forest Division - Alibag Forest Division

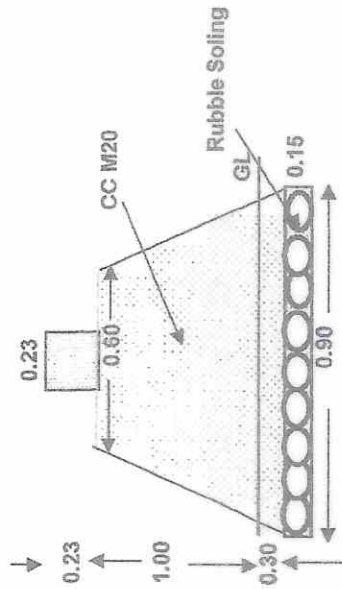
Forest Rang - Alibag

Rate Analysis

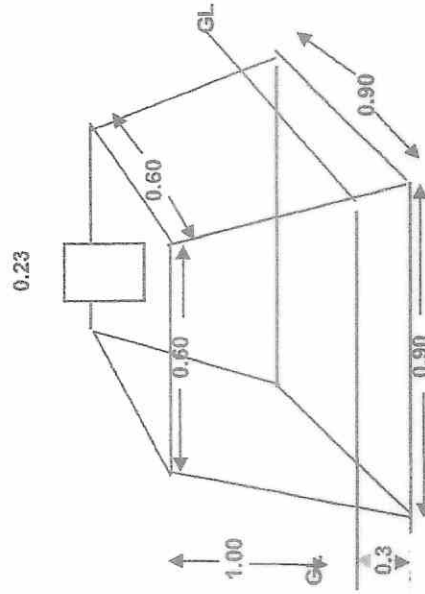
R. No	Item	SSR	Page	Item No	Basic Rate	Unit	Add 10% Inaccessible	Lead Charges as per statement				Total Lead Cheages	Total 6+8+14
								Material	Required	Lead Charge	Unit	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	15
1	Removing Grass, Gazer Grass	PWD 2022-23	157	21.34	6	Sqm	0.6						6.60
2	Excavation for foundation in earth, soil of all type	PWD 2022-23	153	21.02	207	Cmt	20.7						227.70
3	Rubble Stone Soiling	PWD 2022-23	157	21.38	1382	Cmt	138.2	Rubble	1	597.92	cmt	597.92	2211.79
								Cuarry Spout	0.2	597.92	cmt	93.67	0.00
4	RCC Foundation in M-20	PWD 2022-23	178	25.11	7104	cmt	710.4	Sand	0.425	488.73	cmt	207.71	8425.92
								Metal 20mm	0.57	468.37	cmt	266.97	0.00
								Metal 10mm	0.28	488.73	cmt	136.84	0.00
5	Cement Plaster 6mm thik	PWD 2022-23	209	32.02	209	Sqm	20.9	Sand	0.0076	488.73	cmt	3.71	233.61
6	Providing and applying and two coats of flat oil paint	PWD 2022-23	224	35.12	101	Sqm	10.1						111.10
7	Painting letters upto 20 cm height	PWD 2022-23	46	6.05	29	No	2.9						31.90
8	Providing and applying and two coats of exterior weather shield paint	PWD 2022-23	225	35.26	295	Sqm	29.5						324.50

Construction of Class - I Permanent Boundary Pillars for Forest Area

Class - I



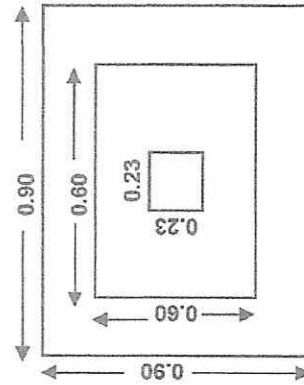
SECTIONAL ELEVATION



ISOMETRIC ELEVATION

DATAS:

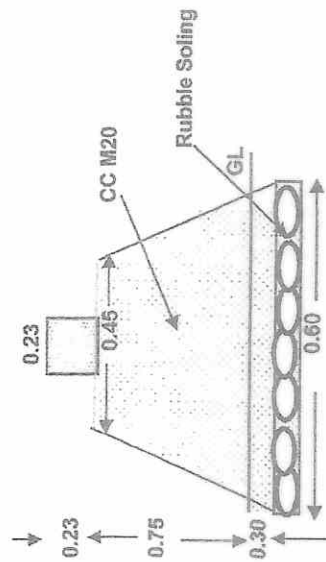
A1 (Top Area)	=	0.60x0.60	=	0.36	Sqm
A2 (Bottom Area)	=	0.90x0.90	=	0.81	Sqm
H Total Height	=	1.30 M			
H1 Below GL	=	0.30 M			
H2 Above GL	=	1.00 M			
Volume	=	H/3X (A1+A2+√A1A2)			
	=	1.30/3x(0.36+0.81+√0.36x0.81)			
	=	0.741	Cum		



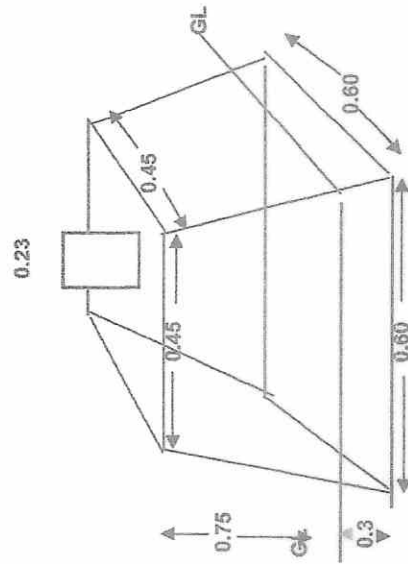
PLAN

Construction of Class - II Permanent Boundary Pillars for Forest Area

Class - II



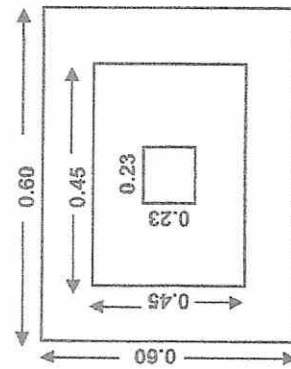
SECTIONAL ELEVATION



ISOMETRIC ELEVATION

DATAS:

A1 (Top Area)	=	0.45X0.45	=	0.20	Sqm
A2 (Bottom Area)	=	0.60X0.60	=	0.36	Sqm
H Total Height	=	1.05 M			
H1 Below GL	=	0.30 M			
H2 Above GL	=	0.75 M			
Volume	=	H/3X (A1+A2+√A1A2)			
	=	1.05/3X(0.20+0.36+√0.20X0.36)			
	=	0.289	Cum		



PLAN