



Unique Social Project in benefit of rural area. Submerged Dam Construction at Gundalwadi village Tal Khed District : Pune

Community Assessment Report

Facilitating organization:-

Rotary E-club of Pune Diamond
Charitable Trust of Rotary Club of Pune South
Rotary club of Pune Hillside Charitable Trust
Rotary Club of Rajgurunagar, Tal Khed
Rotary Club of Dynamic Bhosari- Pune
Sahyadri School(of Krishnamurty Foundation) Gundalwadi
Bursewadi-Gundalwadi Gampanchayat, Tal Khed, District Pune.

Projects facilitators:-

Assistant Governor Rtn Dhanashri Jog
Rtn meenatai Borate
President Rtn Atul Atre
President Rtn Pawan Joshi
President Rtn Sanjay Dole
President Rtn Ajit Walunj
President Rtn Pagaria
Administrator Sahyadri School- More sir.
Vice President Rtn Ramdas S Jaid
Secretary Rtn Ramdas M Jaid
Sarpanch Mrs Sujata Bhor
Deputy sarpanch Satish Jaid

Project Location:-

Catchment Area of Chaskaman Dam - Gundalwadi Village, Rajguru Nagar, Tal Khed Dist-Pune

Overview of Submerged Dam Construction Social Project:

Submerge Dam will be constructed in the water stream coming from Gundalwadi Village, in the catchment area of Chas-Kaman Dam. The dam once constructed will be submerged under water during rainy season when the level of Chaskaman dam is full. Once the level goes down when the water in the Chaskaman dam is released in the canals, the submerge dam wall will be visible and also its own reservoir of water.

Community Issue's

1. The area gets plenty of rainfall but typically after February month there is scarcity of drinking water and for domestic use in the Gundalwadi village and also in the nearby tribal Thakar community.
2. Typically the wells in the village also dry down in the month of March and the problem of drinking water aggravates for the people and also for the cattle.
3. Not enough agricultural output due to shortage of water and irrigation resources.

Solution:-

Submerged Dam design and Construction.

With this nearly more than 3500 villagers which includes about 1500 tribal's (Cast- Thakar), drinking water problem will get resolved permanently. The cattle's will also get the drinking water.

Because of the submerged dam water, the percolation of water to the nearby wells will improve a lot and the drinking water problem will be solved.

The water also can be used for the irrigation purpose and nearly 2000 acres of land will get the water because of the percolation of water to the nearby wells. This will boost the village economy as people can grow crops even in summer season. The crop valuation in summer could be about 2000 acres * 50000 INR ie about 100000000/- Inr. (10 Million INR ie 0.15 Million US\$.)

Take print out on your letter head and sign and stamp at the bottom

To whom it may concern

We Rotary clubs in synergy are planning to undertake this project of Submerged dam at Gundalwadi Village for the benefit of community.

This will have long lasting benefits for community basic need of drinking water .

Please do consider out approval request and help to get all required approvals and support at the earliest.

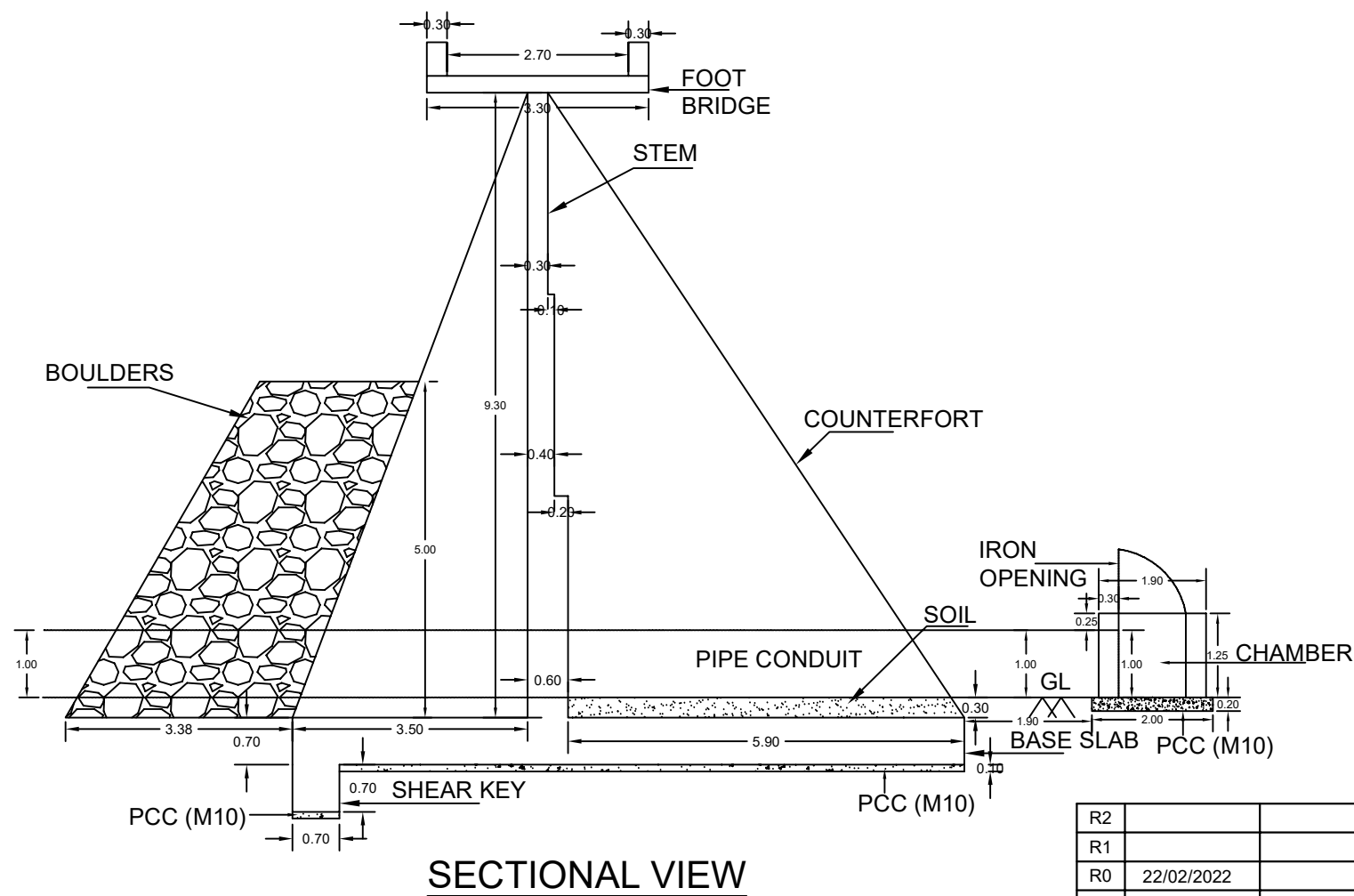
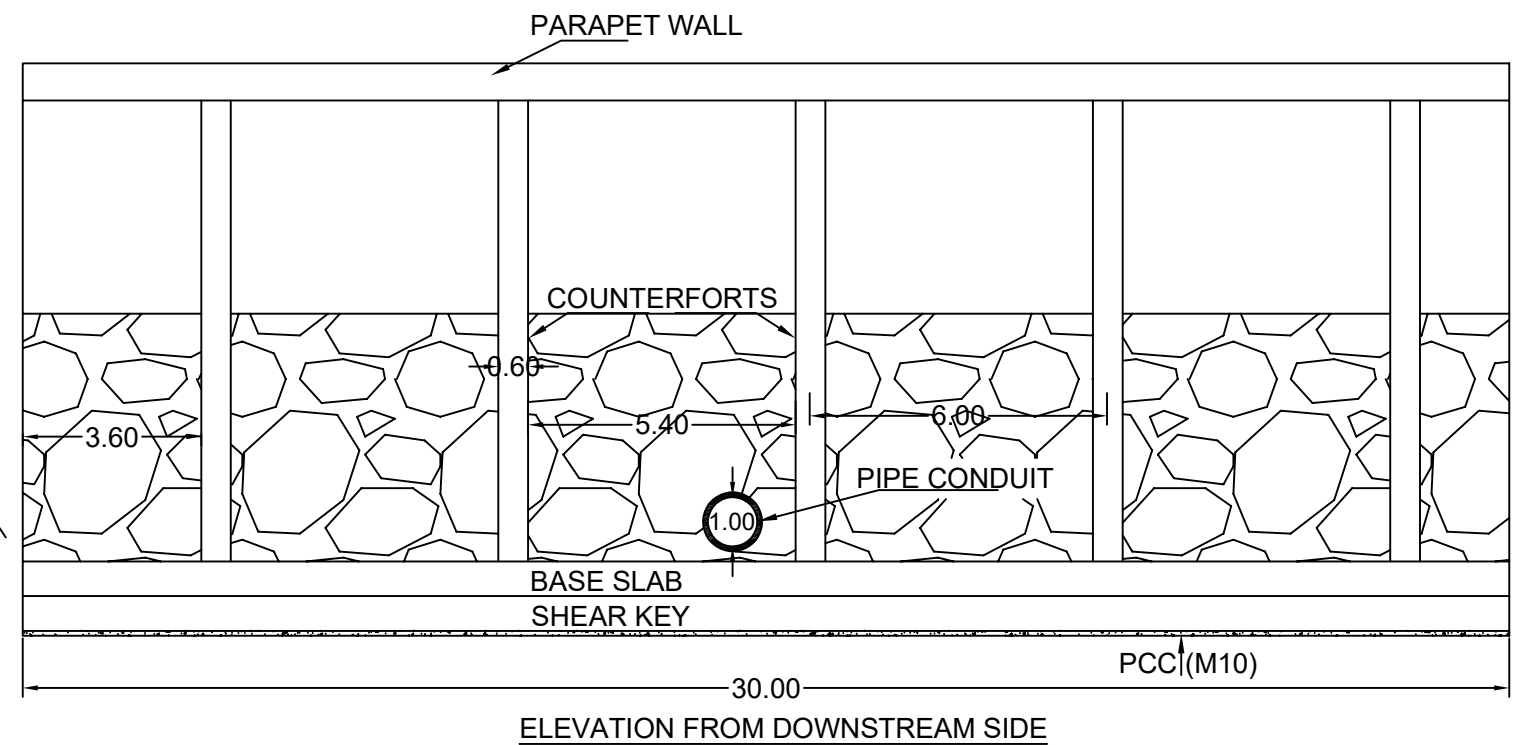
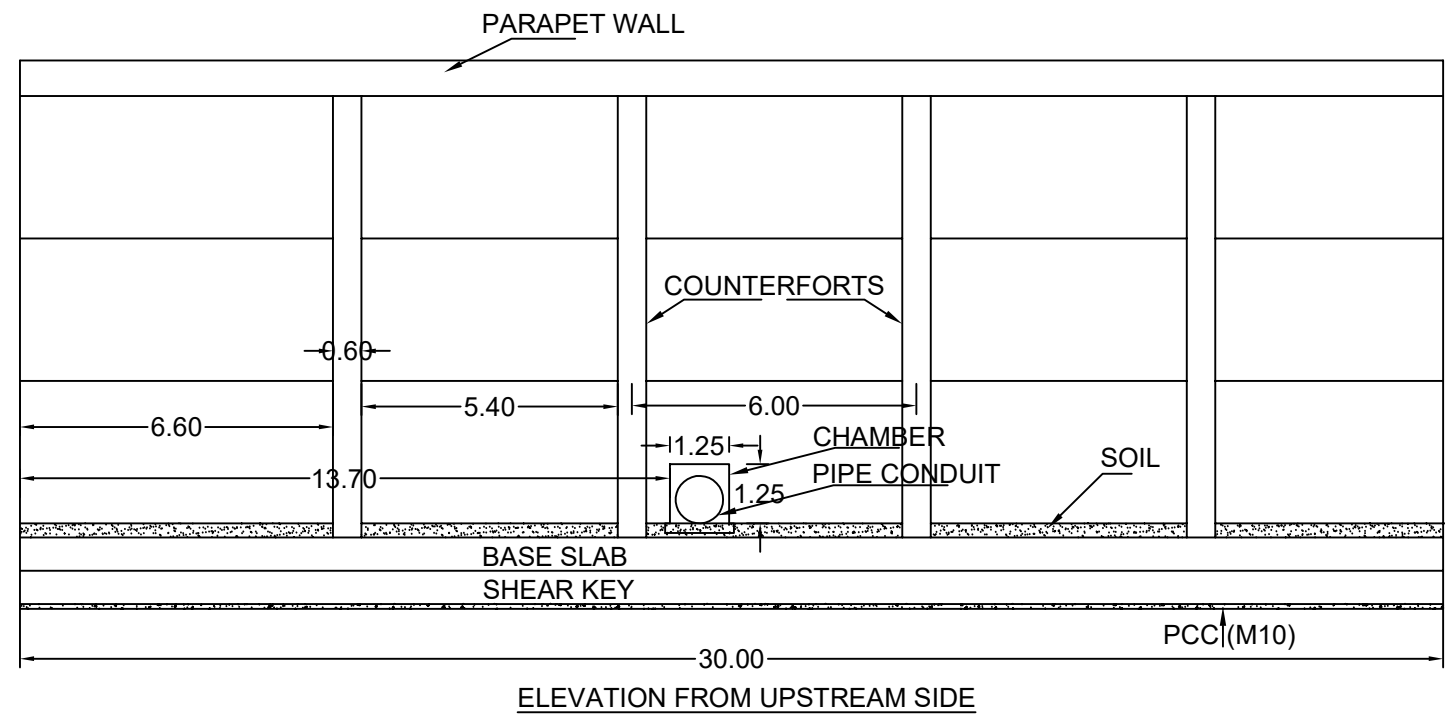
Entire project funding will be done by Rotary Clubs and synergy partners of Rotary.

Thanking you in advance,

Qty	Item	Rate	Unit	Amount
	Item no. 1			
3906	Excavation in soil,soft murum, lime,shadu exceeding 1.50 m.in width including depositing the material as dieected with lead up to 15 m.and liftto 1.50 m. including.	225.15	Cum	879434.26
		R.A. 1		
	Item no. 2			
1783	Excavation in soft rock exceeding 1.50min width including depositing the excavated naterial as directed with lead upto 15 m and lift upto 1.50m including dressing	431.42	Cum	769226.32
		R.A.2		
	Item no. 3			
102	Excavation in hard rock exceeding 1.50m in width by blasting including depositing the excavated material as directed with lead upto 15 m and lift upto 1.50m including dressing (This includes boulders of size more than 0.10 cum under other items)	749.69	Cum	76467.87
		R.A. 3		
	Item no. 4			
496	Providing and laying in situ cement concrete of grade M 15 (40 MSA) of trap/ and bedding, compacting and curing, including Royalty of material etc. complete strength etc lifts including testing of concrete compressive with all leads and	6909	Cum	3426864
		R.A. 4		
	Item no. 5			
3.84	Providing & Cutting bending hooking laying in position and laying M S bars for reinforcement of RCC work as per detailed drawing etc. complete.	82820.51	MT	318030.77
		R.A.5		
	Item No. 6			
616	Providing erecting and laying form work for plain surface and making surface suitable For concreting including dismentlling	500	Sqm	308000
		R.A. 6		
	Item No .7			
24	Drilling 35 mm. dia holes for anchoring in rock and fixing 25 mm. dia. steel anchor excluding .cost of grouting and anchor bar including flushing the holes, conveying all machinery equipment and necessary watering etc. complete	946.65	Rmt	22719.6
		R.A. 7		
	Item No. 8			
326	Constructing of embanking for hearting zone with selected material directly from borrow area including transporting the material with all leads and lifts laying in layers , watering and consolidation including royalty ofleveling ,spreading including material etc. complete.(Refilling gap of foundation)	253	cum	82478
		R.A. 8		
	Item No. 9			
360	Constructing of embankment for casing zone with selected material directly from avabile material of excavation including conveying the material all leads and lifts laying in layers , leveling , dressing including watering , consolidation and including royalty of material etc.	253	cum	91080
		R.A. 9		
	Item No. 10			
15	Providing and laying dry stone rubble masonry excluding pointing including royalty of material etc.	5825	Cum	87375
		R.A. 10		
	Item No. 11			
83.2	Providing & Laying dry stone pitching 30 cm to the thick side slopes of embankment including dressing the bank(Rubble 30 to 45 kg) with lead upto 50 m & lift upto 1.5 m excluding pointing including quarry,crucile etc. Complete & Including royalty of material	641.11	SQM	53340.44

	quarry spalls etc. complete & including royalty of material.	R.A. 11		
	Item No. 12			
1	Providing and fixing Road junction / Information sign board of size 1.20 m x 0.75 m. prepared on 16 gauge M.S. sheet with angle iron frame of size 35 x 35 x 3 mm with cross bracing of size 25 x 25 x 3 mm including painting with one coat of zinc cromate stoving primer and two coats each of green/white back ground and back side gray stove enamelled, bonded with red retro reflective sheet Engineering grade, border / letters / numeral / arrows, coated with non pealable crystal clear protective transperent coat retaining 100% reflection including two angle iron post of size 50 x 50 x 5 mm of 3.65 m. long inflated at bottom drilled on top and painted in white and black bands of 30 cm. with 4 Nos. high strength G.I. bolts and nuts of size 10 mm dia. and 20 mm long sheet and angle iron post in one piece without joints including all taxes, conveying, fixing in ground with cement concrete 1:4:8 block of 60 cm x 60 cm x 75 cm size as directed by Engineer-in- charge etc. complete.	15000	No	15000
	Item No. 13			
Job	Taking photos and Videography of structure during progress and Name plate with Radium Paint on flank wall,Longitude , Latiitude etc.complete	Lum sum		35000
			Sub Total	6165016.26
	Item No .14			
	Provision for work Insurance at 1 %			61650.16
			Sub Total Rs	6226666.42
			Add 1 % Contengencies Rs	62266.66
			Add 18% GST	1064476
			Total	7353409.09
			Say Rs	7353409





NOTES:

1. \emptyset = INDICATES H.Y.S.D. BARS Fe500-D GRADE AS PER IS 1786 : 2008.
2. GRADE OF CONCRETE - M25.
3. GRADE OF P.C.C. - M10.
4. PROVIDE CLEAR COVER TO MAIN REINFORCEMENT:
a) FOR BASE SLAB = 50 MM c) FOR STEM = 50 MM
b) FOR SHEAR KEY = 50 MM d) FOR SLAB = 50 MM (FOOT-BRIDGE).
5. LAP LENGTH FOR LONGITUDINAL REINFORCEMENT OF PILE = 60 X DIA.
6. ALL DIMENSION ARE IN 'M' UNLESS OTHERWISE SPECIFIED. ALL LEVELS ARE IN METER.
7. IF IN DOUBT PLEASE ASK.
8. ALL HIGH STRENGTH DEFORMED BAR (Fe500-D) REINFORCEMENT SHALL BE OF MINIMUM YIELD STRENGTH MENTIONED IN IS 1786 : 2008.
9. ALL DIMENSIONS REFER TO UNFINISHED CONCRETE DIMENSIONS UNLESS SHOWN OR NOTED.
10. REFER ARCHITECTURAL OR MECHANICAL DRAWING FOR LOCATION OF DEPRESSIONS, INSERTS, OPENING ETC.WITH RCC DRAWING.
11. SBC OF HARD ROCK = 50 TON/M² (IT SHOULD BE ENSURED BEFORE & DURING EXECUTION).
12. THIS DRAWING IS THE PROPERTY OF COLLEGE OF ENGG. PUNE AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF THE UNDERSIGNED AUTHORITY.
13. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS OF THE JOB AND REPORT ANY DIMENSIONAL OR OTHER DISCREPANCIES TO THE UNDERSIGNED AUTHORITY.
14. FOUNDATION STRATA BELOW THE RAFT SHALL BE CONFIRMED BY COMPETANT AUTHORITY AND GEOTECHNICAL EXPERT.
15. THE PEDESTAINS AND TWO WHEELERS ARE ALLOWED TO USE THE FOOT BRIDGE FOR CROSSING, NOT HEAVY VEHICLES.
16. THE TWO CHECK BANDHARAS OF BOULDERS SHOULD BE PROVIDED ON THE UP STREAM SIDE OF THE SUBMERGED BANDHARA TO MINIMISE THE SILT CONTENT.

CLIENT

SUPRINTENDENT ENGINEER,
PUNE WRD, PUNE
GOVERNMENT OF MAHARASHTRA

PROJECT

CONSTRUCTION OF SUBMERGED DAM @
GUNDALWADI, TAL. KHED, DIST. PUNE

STRUCTURAL DESIGN BY :

PROF B.G. BIRAJDAR
APPLIED MECHANICS, COLLEGE OF ENGG.
PUNE-411005 PH - 020-25507043 FAX- 020-25507299
Email - bbirajdar@gmail.com , birajdar@coep.ac.in

DESIGN ASSOCIATE :-

MEGHRAJ PAWAR
SAMMED PATIL

TITLE:

SECTION DETAILS OF SUBMERGED DAM

REFERENCE:

COEP/AMD/BGB/B-1079

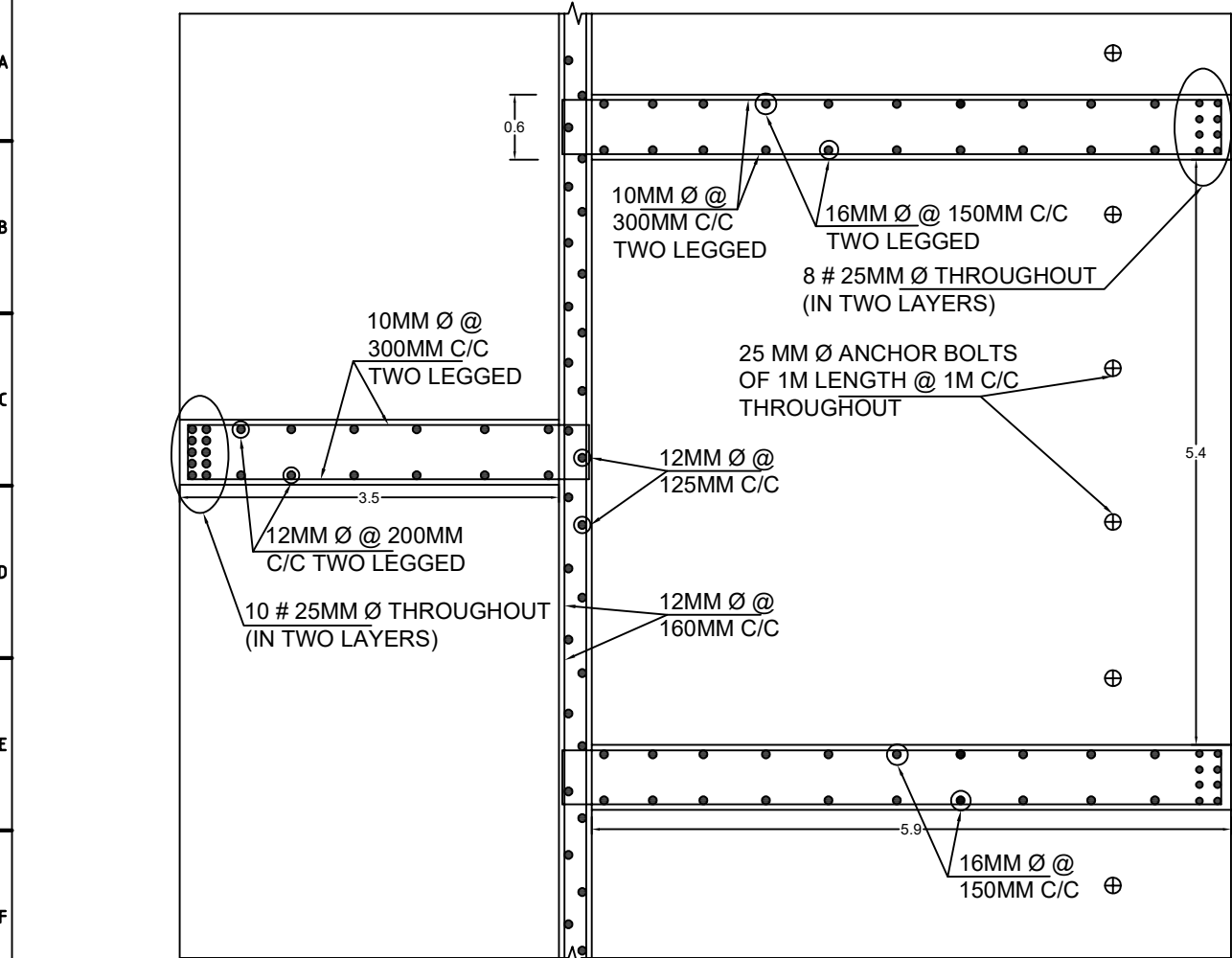
DRAWING NO:

SD/UGWA/STR - 1/2

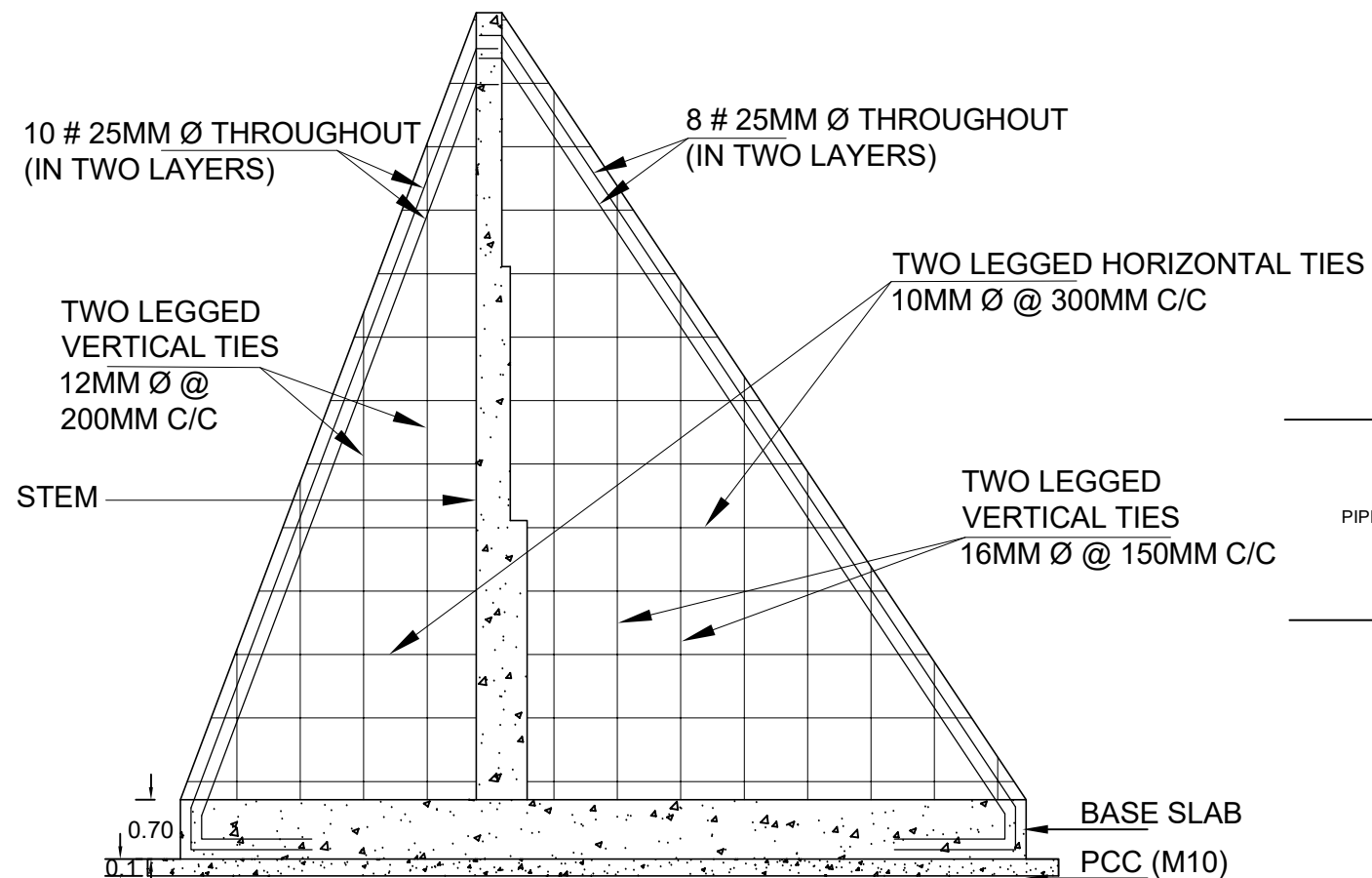
REV:

R0

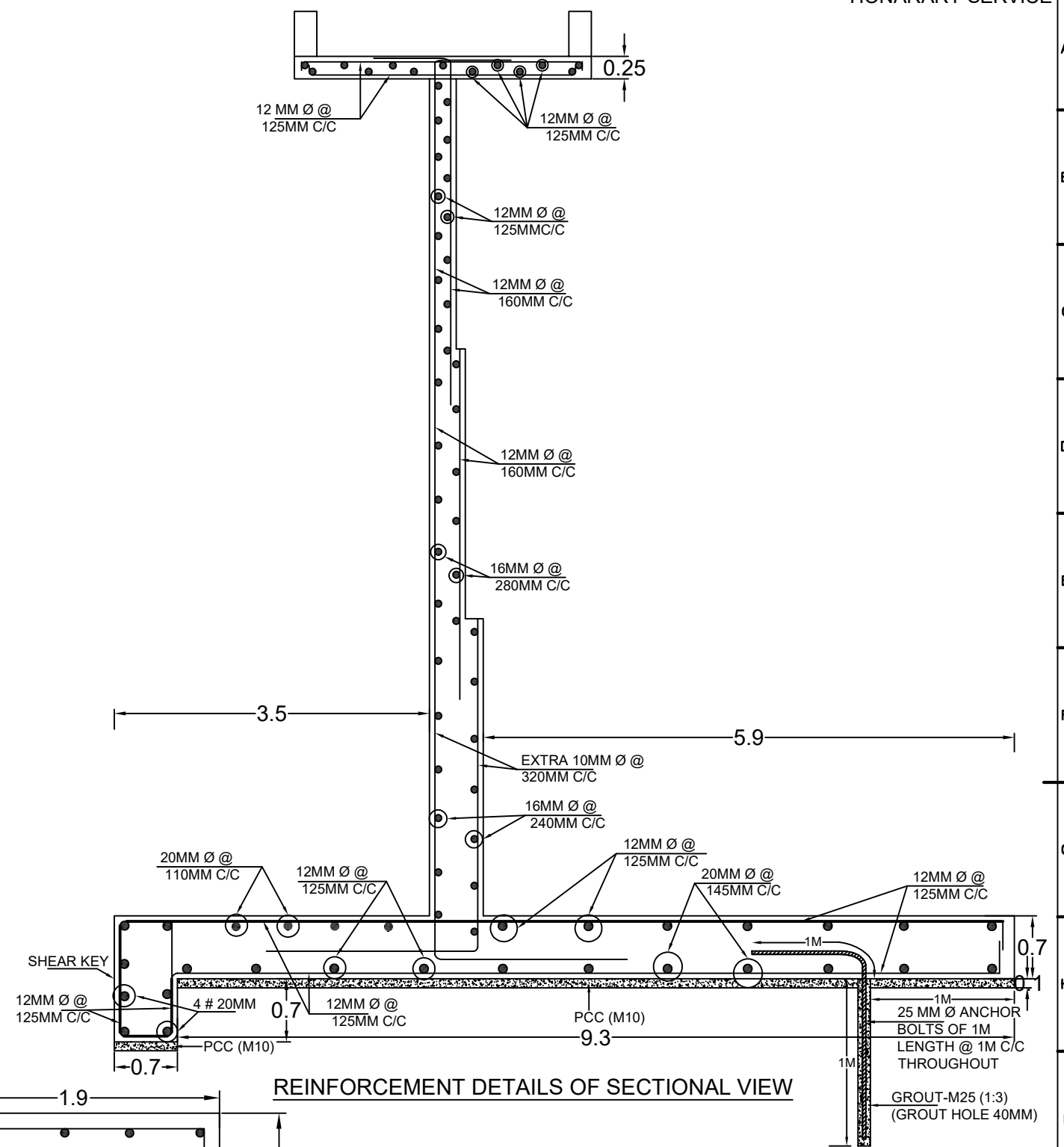
REV.	DATE	DESCRIPTION
R2		
R1		
R0	22/02/2022	FIRST RELEASE
REV.	DATE	DESCRIPTION
REVISIONS		



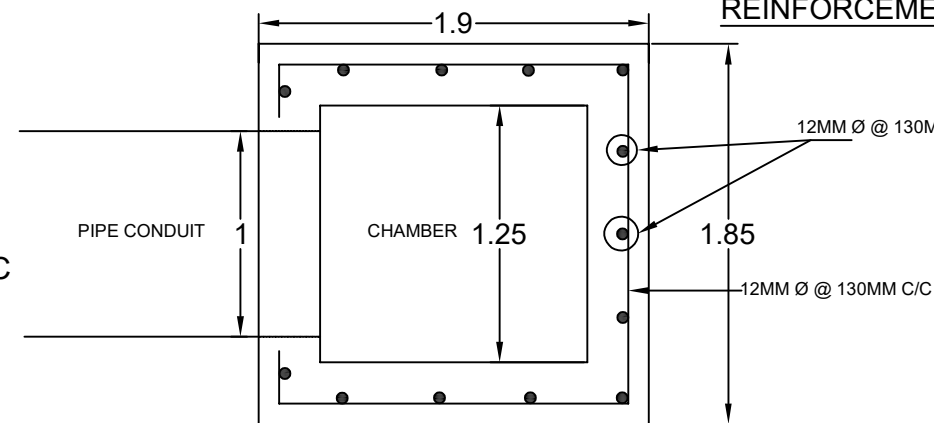
COUNTERFORT REINFORCEMENT DETAILS
(PLAN)



REINFORCEMENT DETAILS OF COUNTERFORT WALLS



REINFORCEMENT DETAILS OF SECTIONAL VIEW



REINFORCEMENT DETAILS OF CHAMBER

R2		
R1		
R0	22/02/2022	FIRST RELEASE
REV.	DD/MM/YYYY	DESCRIPTION
	DATE	
REVISIONS		

CLIENT	SUPRINTENDENT ENGINEER, PUNE WRD, PUNE GOVERNMENT OF MAHARASHTRA		
PROJECT	CONSTRUCTION OF SUBMERGED DAM @ GUNDALWADI, TAL. KHED, DIST. PUNE		
STRUCTURAL DESIGN BY : PROF B.G. BIRAJDAR APPLIED MECHANICS, COLLEGE OF ENGG. PUNE-411005 PH - 020-25507043 FAX- 020-25507299 Email - bbirajdar@gmail.com , birajdar@coep.ac.in		DESIGN ASSOCIATE :- MEGHRAJ PAWAR SAMMED PATIL	
TITLE: REINFORCEMENT DETAILS OF SUBMERGED DAM			
REFERENCE: COEP/AMD/BGB/B-1079	DRAWING NO: SD/UGWA/STR - 2/2		REV: R0

॥ ग्रामपंचायत हाच ग्रामविकासाचा मुलभूत पाया आहे ॥



ग्रामपंचायत बिबी

मु.पो.बिबी, ता.खेड, जि.पुणे - ४१०५१३

सौ.सुजाता सागर भोर (सरपंच)

श्री.सतिश शंकर जेंद (उपसरपंच)

मो.नं.९४०४१६५१७८

मो.नं.९४२२४७७४५८



* सदस्य *

श्री.अरुण संभाजी गुंडाळ

श्री.दिपक शंकर कालेकर

श्री.रविंद्र शांताराम बुरसे

सौ.सोनाबाई सहादु दोरे

फसाबाई महादु चतुर

सौ.मंगल संजय बुरसे

सौ.संगिता सुनिल तनपुरे

जावक क्र.

प्रति

मा.दिलीप दत्तात्रय मोहिते पाटील

आमदार खेड तालुका

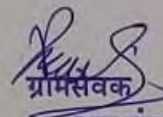
जि.पुणे

विषय: शिफारस पत्र मिळावे म्हणून

वरील विषयास अनुसरून गुंडाळवाडी गाव हे बिबी या ग्रुप ग्रामपंचायतीचा एक भाग आहे. ग्रा.प. बीबीची लोकसंख्या सन २०११ नुसार २६३० एवढी आहे. जरी या भागामध्ये चांगल्या प्रमाणात पाउस पडत असला तरी दरवर्षी फेब्रुवारी मार्च या महिन्यांनंतर पाण्याच्या पाण्याची कमतरता भासते. यामुळे गावच्या महिलांना दूरवरून पाणी आणण्याची गरज पडते. तसेच आमच्या भागातील चास कमान धरणाचे पाणी कालव्याद्वारे खाली सोडल्यानंतर धरणाच्या पाण्याची पातळी कमी झाल्यामुळे आपआपच विहिरीचे पाणी पूर्ण जाते.

गुंडाळवाडी गावातील ओढ्याचे पाणी चास-कमान धरणाला मिळते. याच ओढ्यावरती छोट्या बुडीत बंधारा बांधण्यात यावा अशी ग्रामस्थांनी कित्येक वर्षांपासून मागणी आहे. ग्रामस्थांच्या मागणीनुसार रोटरी क्लब पुणे साऊथ या सेवाभावी संस्थेने हा बंधारा स्वखर्चाने करून देण्याचे ठरविले आहे. या साठीचे बुडीत बंधान्याचे डीझाईन तयार केले आहे. व त्याचा अंदाजे खर्च (६५ लाख) रु आहे. हा बंधारा चास-कमान धरणाच्या पाणलोट क्षेत्रात येत असल्यामुळे पाढबंधारे विभागाची परवानगी मिळणे आवश्यक आहे.

वरील विषय दि. २३/१०/२०२१ झालेल्या मासिक सभेच्या चर्चेला जाऊन त्याला मासिक सभेची परवानगी मिळाली आहे. तरी आपणास विनंती आहे कि या कामासाठी तालुक्याचे आमदार दिलीप मोहिते पाटील यांचे शिफारस पत्र मिळावे हि विनंती.


ग्रामसर्वक

सरपंच

ग्रामपंचायत बिबी

ता. खेड, जि. पुणे.





दिलीप दत्तात्रय मोहिते पा.

आमदार, खेड तालुका
संचालक, पुणे जिल्हा मध्यवर्ती सहकारी बँक मर्या., पुणे
अध्यक्ष, कृषी उ.बा.समिती, सहकारी संघ, महाराष्ट्र राज्य
संचालक, कृषी व पणन मंडळ, महाराष्ट्र राज्य

• ऑफीस : (०२१३५) २२२ ००६ • निवास : (०२१३५) २२६ २०६ • बँक : (०२०) २६१३३८३३ • मोबाईल : ९८२२१९६५२२

जावक कः- ९०८/२०२२

दि. ०९/०९/२०२२

प्रति,
मा. ना. श्री. जयंतजी पाटील साहेब,
जलसंपदा व लाभक्षेत्र विकास मंत्री
महाराष्ट्र राज्य, मंत्रालय, मुंबई ३२.

विषय :- मौजे. गुंडाळवाडी येथील ओढ्यावर बंधारा बांधणेसाठी परवानगी
मिळणे बाबत..

महोदय,

उपरोक्त विषयान्वये, माझ्या मतदार संघातील मौजे. गुंडाळवाडी हे गांव चासकमान धरणाच्या जलाशयामुळे बाधीत झाले असून आता हे गाव जलाशया लगत डोंगराळ भागात वसलेले आहे. सदर गावामध्ये आदिवासी समाजाचे नागरीक राहत असून गावातील शेती पिण्याचे पाण्यासाठी जलाशय हा स्रोत आहे. परंतु धरणाचे पाणी जानेवारी महीन्यानंतर कमी झाल्यावर उन्हाळ्यामध्ये जंगली प्राणी, पशु पक्षी यांच्यासाठी पिण्याच्या पाण्याची तीव्र टंचाई जाणवते.

गुंडाळवाडी गावचा व जंगली प्राणी व पशु पक्षांचा पिण्याच्या पाण्याचा प्रश्न सोडविण्यासाठी गुंडाळवाडी गावालागतच्या ओढ्यावर बंधारा बांधण्यासाठी ग्रामस्थांनी मागणी केलेली असून हा बंधारा रोटरी क्लब यांचे निधीतून व लोकसहभागाने बांधण्याचे प्रस्तावित आहे.

तरी, मौजे. गुंडाळवाडी येथील ओढ्यावर बंधारा बांधणेसाठी आपल्या विभागाकडून परवानगी मिळावी, ही विनंती.

कळावे,

आपला विश्वासू,

श्री. दिलीप मोहिते पाटील

