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### 7.1.4 Any other relevant information

#### 1. Rain Water Harvesting and Borewell Recharge Details\_1

Location	Extension Bldg. Sha & Anchor Kutchhi Engg. College
Area of the Plot	6189 m <sup>2</sup> (Total), 500 m <sup>2</sup> (near extn.)
Terrace Area of the Building/s	625 m <sup>2</sup>
Paved Area of the plot	500 m <sup>2</sup>
water collected per one rainy season	
Total quantity of water collected per one rainy season	
from terrace	1484.37 m <sup>3</sup>
from paved area	1000.00 m <sup>3</sup>
Total	2484.37 m <sup>3</sup>
Total run off @ 70 % efficiency	1739.05 m <sup>3</sup>
15 min. peak Rainfall collection	
...Terrace	14.84 m <sup>3</sup> or 14,843 liters
.....Paved surfaces	10.00 m <sup>3</sup> or 10,000 liters
Total water in 15 min. peak rainfall	24.84 m <sup>3</sup> or 24,843 liters
Total water collection Before construction	1406.50 m <sup>3</sup>
Total Run off water after construction	2484.37 m <sup>3</sup>
Increased flow	1077.87 m <sup>3</sup>
Run off after Rainwater Harvesting	745.32 m <sup>3</sup>
Accrual flow due to RWH	332.55 m <sup>3</sup>
Terrace top Rainwater Harvesting	1 Rainwater Harvesting Units
RWH Component.....PVC pipes	110mm down take pipes 7 nos
.....First Flush	Valve and Valve box chamber
.....Filtration unit	In Holding area
.....Holding Tank	Leaky well of 1.25 m dia.
.....Recharge Bore well	1 no.
Surface Run off Harvesting	
.....Recharge Pits	as per the drawing..... 2

RWH/08/MS/9 11.3.2008



© RWH at Extension Bldg. of Shah & Anchor Kutchhi Engg. College, Chembur, Mumbai .....Dr. Amar N. Joshi 2



### Rain Water Harvesting and Borewell Recharge Details\_2

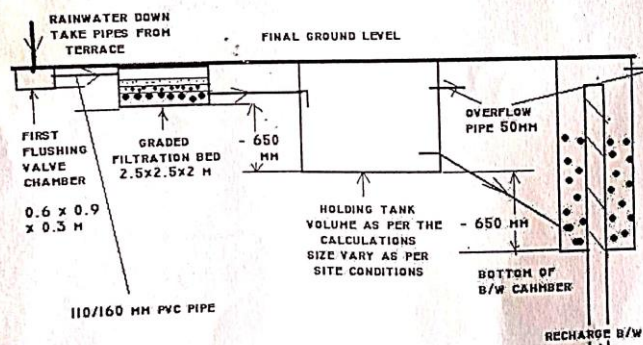
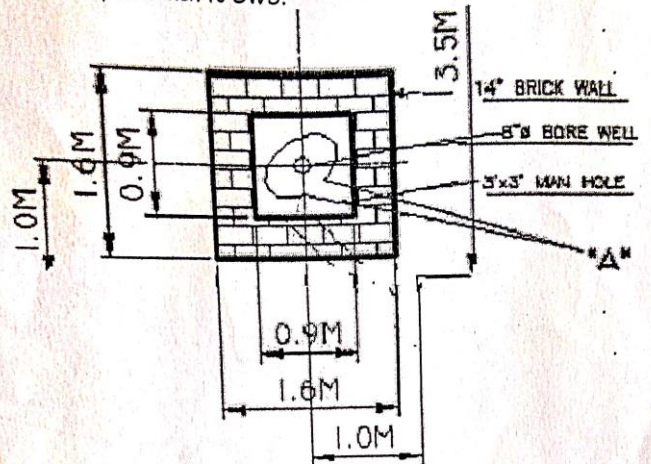
**SPECIFICATION FOR RAINWATER HARVESTING AT SHAH & ANCHOR KUTCHHI  
ENGG. COLLEGE EXTENSION BLDG.**

Sr. No.	Component	Const. type	Size	Quantity
1	Channel Pipe	PVC, 6 kg/cm <sup>2</sup>	160 mm	15 m
2	Coarse Mesh	SS or any type	....do....	7 nos.
3	Drop Box chambers	225 mm Brick work with air tight cover	0.5 x 0.5 x 0.5 m depth	7 nos.
4	First Flush valve	PVC	160 mm diameter	1 no.
5	FF valve Chamber	225 mm Brick work with air tight cover	0.6 x 0.9 x 0.3 m depth	1 no.
6	Graded Filter Bed	225 mm Brick work with air tight cover 50% Gravel 25 % Pebble/coal 25% Shingle/ sand	1.5 x 1.5 x 2.0 m depth	1 no.
7	Bore well pit	355 mm Brick work with air tight cover	1.6 x 1.6 x 3.5 m depth	1 no.
8	Graded filter media around Bore well	50% Gravel 25 % Pebble/coal 25% Shingle/ sand 200 mm slab with cover	To be filled in above chamber	1 no.
9	Recharge pits	225 mm Brick work with silt trap & Grated cover	1.25 x 1.6 x 3 m depth	2 nos.



### Rain Water Harvesting and Borewell Recharge Details\_3

The casing pipe must have perforations as shown above and must be wrapped around with suitable wire mesh all around the exposed portion.  
The chamber around the bore well will be constructed and 50 mm overflow pipe from the top of the chamber may be taken to SWD.



Levels to be maintained for Rainwater Harvesting zone



**2. Water Tank Maintenance Bill\_1**

Techno Clean Health & Hygiene		MANASI ENTERPRISES Hi-Tech Cleaning Service (German Technology)		Mob.-9820381504	
Mumbai Office : Samata Nagar C.H.S., Plot No. 148/16, Near Postal Colony Bus-Stop, Chembur, Mumbai-400 071.					
Bill No. <b>483</b>		Date <b>15/9/2019</b>			
M/s. : <b>Shah &amp; Anchor Kutchhi Engineering College</b>					
SR. NO.	PARTICULARS	QTY.	RATE	AMOUNT Rs. P.	
1)	Under ground Tank (1+1) =	2 No		3000	00
2)	Over head Tank (2+2) =	4 No			
(Cleaning with jet Machine & Use Flexible chemicals)					
Total Rupees in Words : <b>Three Thousand only</b>			Total	<b>3000 = 00</b>	
<small>We hereby certify that my/our Registration certificate under the Maharashtra Value Added Tax, 2002 is in force on the date on which the sale of Goods specified in this Tax Invoice is made by me/us &amp; that the transaction of sale covered by this Tax Invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filing of Return and the due tax, if any payable on the sale has been paid or shall be paid</small>			For MANASI ENTERPRISES  Proprietor		





## Water Tank Maintenance Aggrement\_2

### WATER TANK MAINTENANCE AGREEMENT

THIS AGREEMENT, made this 6 day of June, 2014, by and between:  
*Shah & Anchor Kutchhi Engineering College, chembur, mumbai*

~~CITY OF IRONDALE, ALABAMA~~, a municipal corporation of the State of Alabama (hereinafter sometimes referred to as the "City"), herein represented by ~~TOMMY JOE ALEXANDER~~, its Mayor, duly authorized;  
*The Principal of Shah & Anchor Kutchhi Engineering college.*

AND

? WALKER BROTHERS, LTD, a company domiciled in the County of Walker, State of Alabama, (hereinafter called "Contractor".)

### WITNESSETH:

WHEREAS, the City operates the public utility that provides water to the citizens in Irondale, Alabama and is in need of professional services to inspect and maintain its water storage tanks; and,

WHEREAS, the Contractor has the skill, knowledge and expertise necessary to provide said Services.

NOW, THEREFORE, for and in consideration of the foregoing recitals which form an integral part of the Agreement and which are incorporated herein by reference and the mutual promises and obligations herein contained, the parties hereto agree as follows:

I. The Contractor agrees to:

- A. Annually inspect and service and be responsible for the care and maintenance of the water tanks listed in **Exhibit A** (hereinafter and collectively, "Tanks" or singularly "Tank"). Exhibit A is attached hereto and incorporated by reference as if set out fully herein. Contractor's scope of services shall include the following:



Mahavir Education Trust's  
**Shah & Anchor Kutchhi Engineering College**

Affiliated to University of Mumbai, Approved by D.T.E & A.I.C.T.E  
Mahavir Education Chowk, W.T. Patil Marg, Next to Dukes Company, Chembur Mumbai- 400 088

### Details of Water Tank cleaning\_3



Mahavir Education Trust's  
**Shah & Anchor Kutchhi Engineering College**  
Chembur, Mumbai 400088

Date- 20/03/2017

### SR8 : Water Tank Cleaning

#### Details of Water Tank Cleaning

There is an underground water tank and four over head tanks.

Sr. No.	Water Tank Numbers	Date of Cleaning	Next Date of Cleaning	Bill Number
1	UGT1,OHT1-4	12/9/15	12/12/15	199
2	UGT1,OHT1-4	25/12/15	2/3/16	228
3	UGT1,OHT1-4	26/3/16	26/6/16	243
4	UGT1,OHT1-4	12/6/16	12/9/16	256
5	UGT1,OHT1-4	10/9/16	10/12/16	276
6	UGT1,OHT1-4	17/12/2016	17/03/2017	306

Principal



### Details of Water Tank cleaning Bill\_4



Mahavir Education Trust's  
**Shah & Anchor Kutchhi Engineering College**  
Chembur, Mumbai 400088

Date- 13/12/2016

## SR8 : Water Tank Cleaning

### Details of Water Tank Cleaning

There is an underground water tank and four over head tanks.

Sr. No.	Water Tank Numbers	Date of Cleaning	Next Date of Cleaning	Bill Number
1	UGT1,OHT1-4	12/9/15	12/12/15	199
2	UGT1,OHT1-4	25/12/15	2/3/16	228
3	UGT1,OHT1-4	26/3/16	26/6/16	243
4	UGT1,OHT1-4	12/6/16	12/9/16	256
5	UGT1,OHT1-4	10/9/16	10/12/16	276

I/c Principal









# Mahavir Education Trust's Shah & Anchor Kutchhi Engineering College

Affiliated to University of Mumbai, Approved by D.T.E & A.I.C.T.E  
Mahavir Education Chowk, W.T. Patil Marg, Next to Dukes Company, Chembur Mumbai- 400 088

## 3. Water Tax Bill\_1

**वृहन्मुंबई महानगरपालिका**  
:- जल आकार देयक :-  
GSTIN : 27AAALM0042L3Z4

जलजोडणी क्र. (CGN)  
**MEG6420001**

देयक कालावधी (Bill Period)  
**03-08-2019 to 04-11-2019**

विभाग (Ward)  
**M/EAST-WARD**

देय दिनांक (Due Date)  
**28-12-2019**

पुस्तक / पृष्ठ क्र. **M 061 / 75** मनापा अधिनियम क्र. **169**

दैनिक गरज (लितर) **1125** संख्या - सदनिका/गाळे/झोपडी **0**

जलमापक मालकी **P** जलमापक क्रमांक **8825607**

देयक क्रमांक (Bill No.) **1920HEW0914186**

देयक दिनांक (Bill Date)  
**13-11-2019**

जलजोडणी आकार **40** (चि मी.)

जलमापक आकार **40** (चि मी.)

विद्यमान देयक रक्कम (Current Bill Amount)  
**12493**

देयक निर्मिती दिनांकामुळे जादा जलजोडणी (Excess Credit Amount) **0**

Bill Process Date

देयक तपशील (Bill Details)	र
जलआकार (Water Charges)	7084
मलनिःसारण आकार - जलआकाराच्या ७०% (Sewerage Charges) - (70% of watercharges)	4959
जलमापक भाडे (Meter Rent)	450
अतिरिक्त आकार (Additional Charges)	0
विद्यमान देयक रक्कम (Current Bill Amount)	12493
मागील बाकी (Previous Outstanding)	0
जमा रक्कम (Credit Amount)	0
एकूण देय रक्कम (Total Payable Amount)	12493

मागील दिनांक/वाचन (कि.ली.) **03-08-2019** विद्यमान दिनांक/वाचन (कि.ली.) **04-11-2019** दिवस **93**

**58258** **59615**

विद्यमान वापर (कि.ली.) **1357** दुय्यम/समिश्र वापर सूट (कि.ली.) **0** प्रत्यक्ष वापर (कि.ली.) **1357**

(C1) **1357** (C2) **0** (C1-C2) **1357**

जलमापक स्थिती **MOK** जलजोडणी प्रकार **MN00** दर प्रति (कि.ली.) ₹ **5.22**

मागील देयक कालावधी	वापर (कि.ली.)
03-05-2019 to 03-08-2019	1408
04-02-2019 to 03-05-2019	1346
03-11-2018 to 04-02-2019	1423
03-08-2018 to 03-11-2018	1289
04-05-2018 to 03-08-2018	1529
03-02-2018 to 04-05-2018	1253
03-11-2017 to 03-02-2018	1010
04-08-2017 to 03-11-2017	1430
05-05-2017 to 03-08-2017	1606
04-02-2017 to 05-05-2017	1397
03-11-2016 to 04-02-2017	1112
03-08-2016 to 03-11-2016	1100

महत्वाच्या सूचना  
१) देयक प्राप्त झाले नाही म्हणून देयकाचा भरणा केला नाही ही सबब ग्राहक धरली जाणार नाही.  
२) [www.portal.mcgm.gov.in](http://www.portal.mcgm.gov.in) या वृहन्मुंबई महानगरपालिकेच्या संकेतस्थळावर तसेच मोबाईलवर MCGM 24 x 7 या app द्वारे देखील जलजोडणी क्रमांकाची नोंद करून देयकाची दुय्यम प्रत उपलब्ध होते. तसेच थकबाकीसह जलदेयकाचा भरणा करता येतो.  
३) देयक आणि त्याचा भरणा केल्याची माहिती विहित वेळेत मिळण्याकरिता ग्राहकाने मोबाईल नंबर व ई-मेल, संबंधित विभागीय सहाय्यक अभियंता (जलकामे) यांच्याकडे अथवा महानगरपालिकेच्या संकेतस्थळावरील KYC मध्ये नोंदवावा.  
४) "Brihanmumbai Mahanagarpalika" या नावाने धनादेश काढवा व धनादेशाच्या पाठीमागे जलजोडणी क्रमांक व मोबाईल नंबर लिहावा.  
५) मालमतेचा SAC/UID क्रमांक विभाग कार्यालयातील सहाय्यक अभियंता (जलकामे) यांच्याकडे अर्जाद्वारे अथवा महानगरपालिकेच्या संकेतस्थळावरील KYC मध्ये नोंदवावा.

6) To make Payment through NEFT  
IFSC Code - SBIN0COLLEC  
A/C. No. - BMCW0000000MEG6420001  
Name - MCGM Water Charges

Water Billing System is under up-gradation aims to provide better and more user-friendly billing to the citizens of Mumbai. Citizens are requested to send their suggestions. [eamr.he@mcgm.gov.in](mailto:eamr.he@mcgm.gov.in)  
Connection holders are requested to update their mobile number and email id by visiting Assistant Engineer (Water Works) of respective ward or through MCGM's portal.  
जल अभियंता विभागातर्फे सध्या जलदेयक प्रणाली अद्ययावत करण्याचे प्रयत्न आहेत. सर्व नागरिकांना आवाहन करण्यात येत आहे की, त्यांनी अद्ययावत सूचना ई-मेल वर पाठवाव्यात. [eamr.he@mcgm.gov.in](mailto:eamr.he@mcgm.gov.in)  
जलजोडणी धारकनी भ्रमणधनी क्रमांक व ई-मेल विभागीय सहाय्यक अभियंता (जलकामे), या महानगरपालिकेच्या संकेत स्थळावर अद्ययावत करावेत.

नवी व टपालाचा पत्ता :-  
**SHAH AND ANCHOR KUTCHHI ENGG COLLAGE CTS NO 371 NEAR SHIVAJI CHOWK W T PATIL MARG CHEMBUR GOVANDI MUMBAI - 400071**

MEG6420001 M 061 / 75

पत्रव्यवहारासाठी पत्ता :-  
Asst. Engineer (Water Works) M/East Ward, Municipal Office Bldg., Junction of Late Madhukar Tukaram Kadam Marg & Periphery Road Jn., Deonar Municipal Colony, Govandi, Mumbai-400 043.

दूरध्वनी क्र. **022-25502270**

हे जलदेयक जागेचा अथवा मालमतेचा मातळी हक्क सिद्ध करण्यासाठी तसेच पुरावा म्हणून ग्राहक धरू नये.

RV/18Nov19 3371 - 6231

पाठी जपून वापरा

चूक भूल यावी - घ्यावी



Mahavir Education Trust's  
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Mahavir Education Chowk, W.T. Patil Marg, Next to Dukes Company, Chembur Mumbai- 400 088

**Water Tax Bill\_2**

RECEIPT NO. : 3969560

**BRIHANMUMBAI MAHANAGAR PALIKA**  
WARD

NAME: SHRI K U CHHEDAVA  
ADDRESS: SHAH AND ANCHOR KUTCHI ENGINEERING COLLEGE, CTS NO 371 NEAR SHIVAJI CHOWK, W.T. PATIL MARG, CHEMBUR  
PLACE OF SUPPLY: STATE NAME: MAHARASHTRA, STATE CODE: 27, Pin/Post: 400175, COLLECTION AT: Counter I-MEAST, REGISTERED: PAN: GST NO.: UIN NO.:  
B/E No.: Bill Date: 12-11-2019, Bill Amount Due: 12493, DD/Chq. Dt.: 25/11/2019, DD/Chq. No.: 452813, MICR Code: 400015157, Cash/DD/Chq. Amt.: 12493  
Bill Total: 12493, Paid Amount: 12493, Exempted Amount: 0  
AMOUNT IN WORDS: Twelve Thousand Four Hundred Ninety-Three Only  
PAYMENT DETAILS: Full Payment  
BANK NAME BRANCH: NET AMOUNT: 12493, CGST: 0, SGST: 0, UTGST: 0, IGST: 0, GROSS VALUE: 12493  
PAN NO.: AAALM0042L, GSTIN: 27AAALM0042L374, Common Seal: FOR BRIHANMUMBAI MAHANAGAR PALIKA  
Created by: suresh.jc, Authorised Signatory: E&OE  
Regd. Office: MCGM, Head Office, Mahapalika Marg Fort, Mumbai 400001  
Website: <https://aquapax.mcgpm.gov.in/aqua/citizenportal/>  
1 of 1 Receipt

**Chems Received Subject to Realisation**