

- Infrastructure and Environment
- Water and Sanitation
- Project Management Consultant



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CIN-U 74140 PN 2000 PTC 15603

**Ref:** UIEW/19/SEW/511/LTR/84

**Date:** 01<sup>st</sup> Nov. 2019

**To**

**The Executive Engineer (PHE)**

Solapur Municipal Corporation,  
Solapur-413007 (M.S).

**Subject: Sholapur Under Ground Drainage Scheme – Compliance of Remarks.**

**Reference:** 1. Work order No. 588 dated 24-10-2013

2. Ltr.No. 415 dated 16<sup>th</sup> Oct. 2019r from MJP Sholapur addressed to PHE Sholapur Municipal Corporation.

**Dear Sir,**

This has with reference to the above, MJP Sholapur submitted the letter to PHE Sholapur Municipal Corporation regarding SE MJP comments on design & Estimates during meeting with SE MJP Circle office Sangli. Point wise reply is given as below:

Sr. No.	Comments from SE MJP Circle office Sangli.	Reply by Unity I.E.World Pvt. Ltd. Pune
1.	Administrative approval & Technical Sanction copy of Original Project, MOM, & letters regarding this project.	To be complied by SMC.
2	To submit calculation for up to which year & detail sheet of utilization of existing 75 MLD STP also Technical reason for cancellation of 15.5 MLD STP.	Attached sheet of year wise utilization of existing 75MLD STP. Please refer our ltr. No. UIEW/19/SEW/511/LTR/54, dated 2 <sup>nd</sup> July, 2019. (Attached for your reference please.) Please refer Our ltr. No. UIEW/19/SEW/511/LTR/75, dated 11 <sup>th</sup> Sept. 2019. In that we have submitted the actual inlet flow measurement wise table. The SE MJP circle office instructed to add year wise population in the given table. During meeting with Hon. Commissioner SMC on 18.10.2019 & 23.102019. Discussed on addition of year wise population in the table, it is decided not to give year wise population in the table, Hence not given.
3	Technical Report on reducing the size of chamber as require by SMC.	In original proposal the chamber size consider for 3 to 4 property connection. During execution it is seen that the chamber to be construct in the road, where

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		the road width is very less, reduced size chamber are constructed. Hence the size is changed as per requirement of Sholapur Municipal Corporation from 900x600x1200mm to 600x450x900mm.
4	Zone wise details of dia., Length, Velocity of old & revised sewer line with drawings to be submitted.	To be given in modified report.
5	Give reason for change in alignment of sewer line.	Due to non-availability of space for laying of pipeline the alignment of sewer line is changed in proposed redesign. At the time of laying of sewer line, it is seen that the houses are constructed in sewer line alignment proposed in approved project report, hence the alignment is changed.
6	To submit general resolution & acceptance letter of Sholapur Municipal Corporation Sholapur for redesign of scheme.	Hon. Commissioner as SMC Chief responded this issue, which is beyond the scope of MJP responsibility. .
7	Submit the revised design & drawing with proposal.	Will be given in modified report.
8	To submit design & estimates of electro mech. Units with authentication of Executive Engineer (Mech.)	Will be given in modified report..

This for your information & further action please.

Thanking You, With Regards,

**For Unity I.E. World. Pvt. Ltd.**

  
**Ravindra Kurode**  
 (GM - Project)



**CC to:** 1) CE MJP Pune for information please.

- 2) The SE CPDM Office Mumbai for information please.
- 3) SE MJP Sangli Circle office for information please.
- 4) The Executive Engineer, MJP Sholapur.

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Ref: UIEW/19/SEW/511/LTR/54

Date: 2<sup>nd</sup> July, 2019

प्रति,

मा. सार्वजनिक आरोग्य अभियंता

सौलापूर महानगरपालिका,

सौलापूर.

**विषय :** कै द्रशासन पुरस्कृत अमृत (Amrut) अभियानांतर्गत सौलापूर शहर भूयारी गटार योजना – हैद्राबाद रोड येथील म्हाडाचे जागेतील १५.५० MLD क्षमतेचा STP रद्द करणेबाबत.

**संदर्भ :**

१. जा. क्र. साआअ/ जनि/१७३४ दि. १८.३.२०१९
२. आपले पत्र क्र. जा. क्र. साआअ/जनि/१२७५ दि. २७.१२.२०१८

महोदय,

वरील विषयात नमुद अमृत ड्रेनेज योजनेचे अनुषंगाने झालेल्या पत्रव्यवहान्वये आम्ही अमृत योजनेचे Redesign work चे काम पूर्ण केलेले आहे. संदर्भीय पत्रान्वये झोन क्र १० मधील हैद्राबाद रोड येथील म्हाडाचे जागेतील १५.५० MLD क्षमतेचा STP रद्द करणेबाबत आपण आमचा अभिप्राय मागणी केलेले आहे. तत्कालीन आयुक्त श्री. ढाकणे साहेब यांचे समवेत झालेल्या चर्चेनुसार सौलापूर शहर पाणीपुरवठा तुटवडा व रिकरींग खर्चाचा विचार करून तसेच झोन नं. १० मधील प्रक्रिया केलेले सांडपाणी परत शौळगी नाल्याद्वारे देगाव KT Weir मध्ये सोडून प्रक्रिया करावे लागणार आहे. त्यामुळे निश्चितच सौलापूर महानगरपालिकेच्या खर्चात वाढ होणार आहे असे निर्देशनास आले होते. तसेच दि. २७.१२.२०१८ च्या सौलापूर महानगरपालिकेच्या निर्देशानुसार १५.५० MLD क्षमतेचे STP रद्द करणे व तदनुषंगीक बदल सुचविले आहेत. त्यानुसार सुधारीत Designs तयार करण्यात आले. त्यानुसार STP रद्द केलेमुळे झोन क्र ११, १२ व १३ पासून शौळगी नाल्याच्या कडेने जाणाऱ्या ट्रंकमैन चा व्यास १४०० मी. इतका येत असून त्याची लांबी १ कि. मी. पर्यंत वाढीव होत आहे. तसेच देगाव येथील ५० MLD पंप हाऊस च्या Invert Level पेक्षा (४३३.७००) फक्त ४ सेमी जास्त असलेमुळे आपणांस सदर Invert Level च्या खाली मलवितरीका घालणे तांत्रिक दृष्ट्या योग्य ठरणार नाही. त्याकरीता Approved DPR Zone X मध्ये नियोजित असलेली हैद्राबाद रोड येथील STP रद्द करून त्यामधील फक्त Sump & Pump House, Pumping Main, Pumping Machinery ही देगांव येथे प्रस्तावित करून झोन क्र १०, ११, १२ व १३ येथून येणारी ट्रंक मैन या नवीन Pumping Station ला जोडावी लागेल व सध्या त्याचा प्लो चालू असलेल्या ५० MLD STP मध्ये घ्यावा लागेल. प्रस्तावित झोन १० करिता देगाव येथे करावे लागणारे

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Sump & Pump House, Pumping Main, Pumping Machinery याचा येणारा खर्च हा सध्याच्या नवीन सुधारीत अंदाज पत्रकामध्ये समाविष्ट करण्यात आलेला आहे.

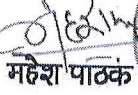
भविष्यात वाढणाऱ्या लोक संख्या व सांडपाणी याचा विचार करता देगांव येथे आवश्यक तेनुसार STP बांधणेची आवश्यकता राहिल.

त्यानुसार आपण योग्य तो निर्णय घ्यावा.

आपल्या माहितीसाठी सादर.

आपला स्नेहांकित

युनिटी आय. ई. वर्ल्ड प्रा. लि.

  
महेश पाठक

(संचालक व व्यवस्थापक)



प्रत:

१. मा. आयुक्त, सीलापूर महानगरपालिका, सीलापूर
२. कार्यकारी अभियंता, मजीप्रा, सीलापूर
३. सहाय्यक अभियंता, मजीप्रा, सीलापूर
४. दास ऑपशौअर इंजि. प्रा. लि. मुंबई

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**Ref:** UIEW/19/SEW/511/LTR/75

**Date:** 11<sup>th</sup> Sept. 2019

To

**The Executive Engineer (PHE)**

Solapur Municipal Corporation,

Solapur-413007 (M.S).

**Subject: Regarding STP Capacity at Degaon**

**Reference:** 1. Work order No. 588 dated 24-10-2013

2. Meeting with CE & SE MJP Pune held on 7<sup>th</sup> Sept 2019.

3. Our ltr. No. UIEW/19/SEW/511/LTR/54, dated 2<sup>nd</sup> July 2019.

**Dear Sir,**

This is in regards to the meeting held with CE MJP Pune on 7<sup>th</sup> Sept. 2019 at CE office Pune. The CE MJP asked for the inflow data of 75MLD STP at Devagon and analysis. The inlet flow data is collected from SMC from 21<sup>st</sup> Aug. 2017 up to 31 Aug. 2019. As per the received inflow data average of maximum inflow is worked out. The detailed calculation in tabular form is enclosed here you're your reference please.


From the calculation existing capacity 75 MLD STP is fully utilized up to year 2030, hence the in future as per the increasing population & sewerage flow, proposed STP of Capacity 15.5 MLD, which is to be constructed from 2029 & commission in year 2031 at Degaon site. Please refer our above reference at 3 letter also.

This is for your information please & further action please.

**Enclosed :** Statement

Thanking You, With Regards,

**For Unity I.E. World. Pvt. Ltd**

  
**Ravindra Kurode**

**(GM - Project)**



✓ **CC to:** The Executive Engineer, MJP Sholapur for information only.

Solapur Municipal Corporation - Under ground Sewerage Project					
Inlet flow details of 75MLD STP at Degaon					
Start date of STP		21.08.2017	SBR Maximum flow (Cum)		Remarks
Date	Time	Plant capacity (Cum)	Inlet	%	
24.08.2017	23:59:00	75000	42292.42	56.39	
12.09.2017	23:59:00	75000	42665.77	56.89	
16.10.2017	23:59:00	75000	54524.46	72.70	Rainy day
01.01.2018	23:59:00	75000	54006.06	72.00	Rainy day
05.02.2018	23:59:00	75000	48993.98	65.32	
19.03.2018	23:59:00	75000	45804.36	61.07	
11.04.2018	23:59:00	75000	40702.3	54.27	
21.05.2018	23:59:00	75000	37011.74	49.35	
23.06.2018	23:59:00	75000	45803.02	61.07	Rainy day
14.07.2018	23:59:00	75000	49883.05	66.51	Rainy day
29.08.2018	23:59:00	75000	52088.25	69.45	Rainy day
04.09.2018	23:59:00	75000	56256.93	75.00	Rainy day
04.10.2018	23:59:00	75000	50460.53	67.28	Rainy day
20.11.2018	23:59:00	75000	45672.75	60.90	
15.12.2018	23:59:00	75000	50026.75	66.70	
01.01.2019	23:59:00	75000	46059.53	61.41	
09.02.2019	23:59:00	75000	36306.66	48.41	
03.03.2019	23:59:00	75000	36406.05	48.54	
16.04.2019	23:59:00	75000	37503.28	50.00	
23.05.2019	23:59:00	75000	19390.23	25.85	
10.06.2019	23:59:00	75000	46675.96	62.23	
27.07.2019	23:59:00	75000	46312.00	61.75	
15.08.2019	23:59:00	75000	36359.04	48.48	
		<b>Average Inflow</b>	<b>44400.22</b>	<b>59.20</b>	
		<b>Inlet flow in MLD</b>	<b>44.44</b>		Including Zone 10 through Nalla
		<b>Inlet flow in MLD</b>	<b>10.00</b>		If railway croosing work completed
		<b>Inlet flow in MLD</b>	<b>54.44</b>		
		<b>Balance</b>	<b>20.56</b>		

Sholapur Underground Project - Sholapur Municipal Corporation Sholapur					
Details of utilisation of Existing STP at Degaon					
Year	Sewage inflow of Exst. 75 MLD STP		Sewage inflow of Zone 10		Total (MLD)
	Projected	Actual	Projected	Actual	
2020	65.27	55.00	13.35	10.00	65.00
2021	65.89	55.52	13.5	10.11	65.63
2022	66.51	56.04	13.65	10.22	66.27
2023	67.13	56.57	13.8	10.34	66.90
2024	67.75	57.09	13.95	10.45	67.54
2025	68.37	57.61	14.1	10.56	68.17
2026	68.99	58.13	14.25	10.67	68.81
2027	69.61	58.66	14.4	10.79	69.44
2028	70.23	59.18	14.55	10.90	70.08
2029	70.85	59.70	14.7	11.01	70.71
<b>2030</b>	<b>71.47</b>	<b>60.22</b>	<b>14.85</b>	<b>11.12</b>	<b>71.35</b>
2031	72.09	60.75	15	11.24	71.98
2032	72.71	61.27	15.15	11.35	72.62
2033	73.33	61.79	15.3	11.46	73.25
2034	73.95	62.31	15.45	11.57	73.89
<b>2035</b>	<b>74.57</b>	<b>62.84</b>	15.60	<b>11.69</b>	<b>74.52</b>

Sholapur Underground Project - Sholapur Municipal Corporation Sholapur					
Details of utilisation of Existing STP at Degaon					
Year	Sewage inflow of Exst. 75 MLD STP		Sewage inflow of Zone 10		Total (MLD)
	Projected	Actual	Projected	Actual	
2020	65.27	55.00	13.35	10.00	65.00
2021	65.89	55.52	13.5	10.11	65.63
2022	66.51	56.04	13.65	10.22	66.27
2023	67.13	56.57	13.8	10.34	66.90
2024	67.75	57.09	13.95	10.45	67.54
2025	68.37	57.61	14.1	10.56	68.17
2026	68.99	58.13	14.25	10.67	68.81
2027	69.61	58.66	14.4	10.79	69.44
2028	70.23	59.18	14.55	10.90	70.08
2029	70.85	59.70	14.7	11.01	70.71
<b>2030</b>	<b>71.47</b>	<b>60.22</b>	<b>14.85</b>	<b>11.12</b>	<b>71.35</b>
2031	72.09	60.75	15	11.24	71.98
2032	72.71	61.27	15.15	11.35	72.62
2033	73.33	61.79	15.3	11.46	73.25
2034	73.95	62.31	15.45	11.57	73.89
<b>2035</b>	<b>74.57</b>	<b>62.84</b>	15.60	<b>11.69</b>	<b>74.52</b>

Note : The yearwise population as required by the SE MJP Circle Office Sangli is not given. As instructed by Hon. Commissioner Solapur during meeting held on 18.10.2019 & 23.10.2019 in Solapur not to give yearwise population in the table after discussion.