

कार्यालय प्रमुख अभियंता
लोक स्वास्थ्य यांत्रिकी विभाग
जल भवन, बाणगंगा, भोपाल-462 003
दूरभाष क्रमांक (0755) 2779411-12
(An ISO 9001:2015 Certified Office)

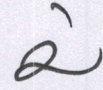
क्रमांक 360 /स्था./राज./प्र.अ./लोस्वार्योवि/2020

भोपाल, दिनांक 05-10-2020

तृतीय संशोधन/नवीन आदेश

लोक स्वास्थ्य यांत्रिकी विभाग के अंतर्गत जल प्रदाय एवं अन्य संबंधित कार्य हेतु दिनांक 03.07.2018 से प्रभावशील एकीकृत दर अनुसूची (यूएसओआर) के दिनांक 06.08.2020 को जारी किये गये द्वितीय संशोधन के साथ संलग्न चैप्टर-XXVII (Oriented PVC (PVC-O) Pipes) को निरस्त करते हुये संलग्न अनुसार उक्त चैप्टर को पुनः स्थापित किया जाता है। संलग्न चैप्टर-XXVII में शामिल PVC-O पाईप को नलजल योजनाओं की पंपिंग मेन में उपयोग किया जा सकता है।

यह आदेश तत्काल प्रभाव से लागू होगा।


5-10-2020

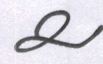
(के. के. सोनगरिया)
प्रमुख अभियंता

भोपाल, दिनांक 05/10/2020

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पृष्ठा क्रमांक /स्था./राज./प्र.अ./लोस्वार्योवि/2020
प्रतिलिपि :-

1. निज सचिव, माननीय मंत्रीजी, लोक स्वास्थ्य यांत्रिकी विभाग, भोपाल।
2. प्रमुख सचिव, म.प्र. शासन, लोक स्वास्थ्य यांत्रिकी विभाग, मंत्रालय भोपाल।
3. प्रबंध संचालक, म.प्र. जल निगम मर्यादित, विंध्याचल भवन, भोपाल।
4. प्रमुख अभियंता, जल संसाधन विभाग, भोपाल।
5. प्रमुख अभियंता, लोक निर्माण विभाग, भोपाल।
6. प्रमुख अभियंता, नगरीय प्रशासन एवं विकास विभाग, भोपाल।
7. प्रमुख अभियंता, ग्रामीण यांत्रिकी सेवा, भोपाल।
8. समस्त मुख्य अभियंता, लोक स्वास्थ्य यांत्रिकी विभाग, समस्त परिक्षेत्र मध्यप्रदेश।
9. समस्त अधीक्षण यंत्री, लोक स्वास्थ्य यांत्रिकी विभाग, समस्त मण्डल मध्यप्रदेश।
10. समस्त कार्यपालन यंत्री, लोक स्वास्थ्य यांत्रिकी विभाग, समस्त खण्ड मध्यप्रदेश।
11. आदेश नस्ती।


5-10-2020

प्रमुख अभियंता



Government of Madhya Pradesh

Public Health Engineering Department

3rd ADDENDUM

OF

UNIFIED SCHEDULE OF RATES (USOR)

w.e.f. 03.07.2018

**FOR WATER SUPPLY, SEWERAGE AND
ALLIED WORKS**

(Issued vide Order No. 360 Dated 05-10-2020)

Issued by

Engineer-In-Chief

Public Health Engineering Department

Madhya Pradesh, Bhopal

CHAPTER-XXVII
ORIENTED P.V.C. (PVC-O) PIPES


CHAPTER – XXVII

ORIENTED P.V.C. (PVC-O) PIPES

General Notes:-

1. The Oriented Un-plasticized Polyvinyl Chloride PVC-O pipes for potable water supply as per IS: 16647-2017 duly inspected and tested and having BIS certification mark.
2. Classification of the material to be used for manufacturing of PVC-O pipe shall be 500 and design coefficient (C- Factor) shall be 1.4.
3. Selection, Handling, storage and installation of PVC-O pipes as per IS: 7634-2003 (Part-3)
4. Pipes should be stacked on a surface flat and free from sharp objects, stones or projection in order to avoid deformation or damages. Ends of pipes should be protected from abrasion and chipping.
5. This pipe shall strictly be used in pumping mains.
6. In rocky area 15 cm. cushion of sand or moorum below and above the pipes should be provided as per IS: 7634-2003 (Part III)
7. All measurements shall be of the finished work. The net length of pipes as laid or fixed shall be measured in running meters correct to 10 mm. Specials shall be excluded and measured and paid separately under the relevant item. The portion of the pipe inside the joints not be included in the length of pipe work. Excavation refilling masonry and concrete work wherever required shall be measured and paid for separately under relevant items of work.
8. Work shall be executed in accordance with the Indian Standards Specifications and special notes if any, mentioned in the agreement of the work.
9. Ordinary HDPE/DI/CI fittings of relevant class shall be used for connecting and laying the PVC-O Pipe line. The rates for such works will be payable as per relevant chapters in SOR.
10. These pipes are to be used in water supply and to be installed below the ground where high vacuum or external pressure could be developed. As per Table 12 of BIS 16647: 2017, the ring stiffness of the pipe shall be $\geq 4 \text{ KN/m}^2$ to meet the requirement of vacuum and external pressure. This criteria of ring stiffness can be met out from the class 500 PN 16 onwards rating pipes, hence the pipes of rating starting from PN 16 have been taken in this USOR.
- 11. GST shall be paid separately to the contractor as per prevailing Government norms.**

All the estimates based on this USOR will include GST as an extra amount as per prevailing rates on the sum of the estimate to arrive at the gross amount.



5-10-2020

ORIENTED P.V.C. (P.V.C.-O) PIPES

SOR Item no	Items	Unit	Rate in Rs.
27.1	Providing, laying, jointing, testing and commissioning of ISI marked PVC-O (Oriented Unplasticized Polyvinyl Chloride) ring fit type pipe having orientation class 500 : C-1.4 with integral homogeneous spigot, elastomeric sealing ring made of EPDM rubber (one per pipe) including testing of joints cost of jointing materials etc. Complete in all respect. Pressure Rating as per IS Code – IS:16647-2017 – PN – 16 of following diameters.		
27.1.1	110 mm dia	RM	591
27.1.2	160 mm dia	RM	990
27.1.3	200 mm dia	RM	1227
27.1.4	250 mm dia	RM	1727
27.1.5	315 mm dia	RM	2176
27.1.6	400 mm dia	RM	3320
27.2	Providing, laying, jointing, testing and commissioning of ISI marked PVC-O (Oriented Unplasticized Polyvinyl Chloride) ring fit type pipe having orientation class 500 : C-1.4 with integral homogeneous spigot, elastomeric sealing ring made of EPDM rubber (one per pipe) including testing of joints cost of jointing materials etc. Complete in all respect. Pressure Rating as per IS Code – IS:16647-2017 – PN – 20 of following diameters		
27.2.1	110 mm dia	RM	664
27.2.2	160 mm dia	RM	1030
27.2.3	200 mm dia	RM	1341
27.2.4	250 mm dia	RM	1882
27.2.5	315 mm dia	RM	2677
27.2.6	400 mm dia	RM	4069

5-10-2020

SOR Item no	Items	Unit	Rate in Rs.
27.3	Providing, laying, jointing, testing and commissioning of ISI marked PVC-O (Oriented Unplasticized Polyvinyl Chloride) ring fit type pipe having orientation class 500 : C-1.4 with integral homogeneous spigot, elastomeric sealing ring made of EPDM rubber (one per pipe) including testing of joints cost of jointing materials etc. Complete in all respect. Pressure Rating as per IS Code – IS:16647-2017 – PN – 25 of following diameters		
27.3.1	110 mm dia	RM	736
27.3.2	160 mm dia	RM	1070
27.3.3	200 mm dia	RM	1455
27.3.4	250 mm dia	RM	2037
27.3.5	315 mm dia	RM	3177
27.3.6	400 mm dia	RM	4818


 5-10-2022
Engineer-in-Chief
Public Health Engineering Department
Banganga Jal Bhawan, Bhopal