

BRIHANMUMBAI MUNICIPAL CORPORATION

Hydraulic Engineer's Department

A.E.W.W.K/EAST/86 *proposed.*

Date **21 FEB 2024**

Sub: Proposal for laying of 300 mm dia water main for the length of appx 20 m and cross connection of 300 x 1500 mm dia para outlet at Kanakiya across Mahakali caves road, Andheri (East), in K/East ward, Mumbai.

- Ref:** 1) AEWWK/EAST/82/ Proposal dated.24.01.2024.
2) Dy.HE(WS)/533/Proposal dated.25.01.2024.
3) HE/2109/EEWW(P&R)/IR Dated. 20.02.2024.

With reference to above subject matter, the approval of HE's u/no HE/2109/EEWW(P&R)/IR Dated. 20.02.2024. for of 300 mm dia water main for the length of appx 20 m and cross connection of 300 x 1500 mm dia para outlet at Kanakiya across Mahakali caves road, Andheri (East), in K/East ward, Mumbai.

In view of above EEWW(Const)WS is requested to carry out the work as per approval at the earliest. All the original file paper's are forwarded along with this letter.

EEWW(Const)WS

[Signature]
A.E.W.W.K/E

o/c

[Signature]
J.E.W.W.K/E

[Signature]
20.02.24
J.E.W.W.

BRIHANMUMBAI MUNICIPAL CORPORATION

Hydraulic Engineer's Department

SUB: Proposal for laying of 300 mm dia water main for the length of approx. 20 m and cross connection of 300 x 1500 mm dia parla outlet at Kanakiya across Mahakali caves road, Andheri (E) in K-East ward.

REF: 1) Short supply complaints from MLA Mrs. Rutuja Latke Madam
2) Frequent short supply complaints of Kanakiya SRA

With reference to above subject matter frequent complaints are being received from Kanakiya SRA buildings and areas besides its premises regarding short supply in the locality such as MIDC Udyog sarthi, Tecnopolis industries. There exists two 250 mm water main and is feeding from 300 mm dia water main along mahakali caves road coming from MIDC Central road which is feed from 900 mm dia water main below vijay nagar bridge.

During inspection it is observed that the Kanakiya SRA layout comprises 3 building namely B1, B2, B3. Twelve water connections were given to this layout, eight connections are tapped from one 250 mm dia water main and four connections from other 250 mm dia water main as shown in sketch. Several short supply complaints are received to this department. After several trial such as checking connection on ferrule, valve operations there is no improvement in pressure. Pressure on the existing 300 mm dia main is 5 psi which is not sufficient to provide supply to Kanakiya and near by areas.

Considering the above facts and future requirement it is decided to boost these 300 mm dia water main from existing 1500 mm dia parla outlet along Mahakali caves road by laying 300 mm dia water main and cross connecting from 1500 mm dia water main to existing 300 mm dia water main as shown in sketch at pg.no. 05

In view of above EEWW(P&R)'s approval is requested for the following:

1. To lay 300 mm dia water main from point 'A' to 'B' as shown in sketch attached at pg. no. 05
2. To make cross connection of 1500 mm X 300 mm at point 'A' and 300 x300 mm dia W.M at point 'B' as shown in sketch attached at pg no. 05.
3. To provide sluice valve on 300 mm dia wm at point 'C' as shown in sketch attached at pg no. 05

After approval the said work will be carried out by A.E.W.W (Maint)WS/S in co-ordination with A.E.W.W K/E ward staff.

A.E.W.W K/East (82 Proposa) Submitted for approval please.

Date - 24.1.2024

Pale
24/01/24
J.E.W.W K/East

Quel
24.01.24
S.E.W.W K/East

Mun
24/1/24
A.E.W.W K/East

~~E.E.W.W(WS)S~~

✓ ~~Dy.HE(WS)~~

EEWW(P&R)

submitted for approval please.

[Signature]

25/01/2024

EEWW(WS)S

| बृहन्मुंबई महानगर पालिका उप. जल अभि. (पश्चिम उपनगरे) | | |
|---|-------------|-------------|
| Bldg. | 25 JAN 2024 | MC Proposal |
| SP | | OT |
| गोपणिय | 533 | जाय.जा.र. |

For scrutiny & approval please -
on approval & execution trial will be
taken and timing & value
operations will be decided as
there is low pressure during
Park East zone 5:00 to 8:30 pm.

उप. जल अभि./प.उप./533
दि. 25.1.2024

[Signature]

25/01/2024

श्री. मंगेश माधव शेवाळे
उप जल अभियंता
(पश्चिम उपनगर)

बृहन्मुंबई महानगरपालिका
कार्यकार: जमियेता जलकाळे
[नियोजन व संशोधन]
7. FEB 2024

आ.क्र. HE/ 2109 /NOC
(P & R/IR/ESTT/CIR)

MIDC Central Road

N

300 mm ϕ W.M.

Proposed P.C. valve

11:00 AM
(2:00 P.M)

MIDC
Zone

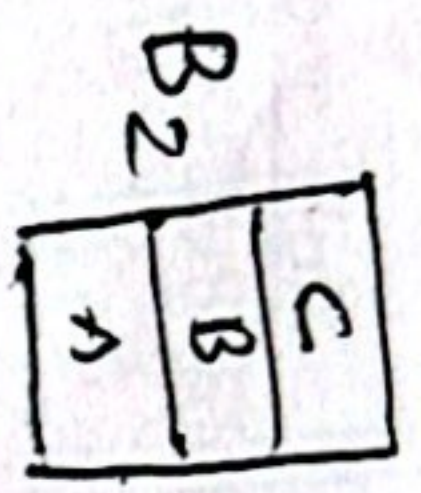
Mahakali Caves Road

1500 mm ϕ Pasla Outlet

D.O

Prop. to be
Remove

250 mm ϕ
W.M



Duplicate
Value.

- 1. New
- 2. 2 Nos

Proposed
W.M
available

Prop
to be
Remove

250 mm ϕ W.M



Kanakiya
SRA layout

M.V

Prop
250
x 300
c/L

Prop.
MSV.
300 mm ϕ W.M

A

B

P.C

300 mm ϕ W.M

A.K. Road

BRUHANMUMBAI MUNICIPAL CORPORATION

Hydraulic Engineer's Department

E.E.W.W.(P&R) /DY.H.E(P&C)

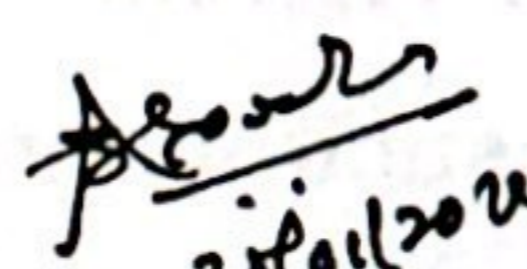
Sub:- Proposal for laying of 300 mm dia water main for the length of approx 20 m and cross connection of 300 x 1500 mm dia parla outlet at kanakiya across Mahakali caves road, Andheri (E) in K-East ward.

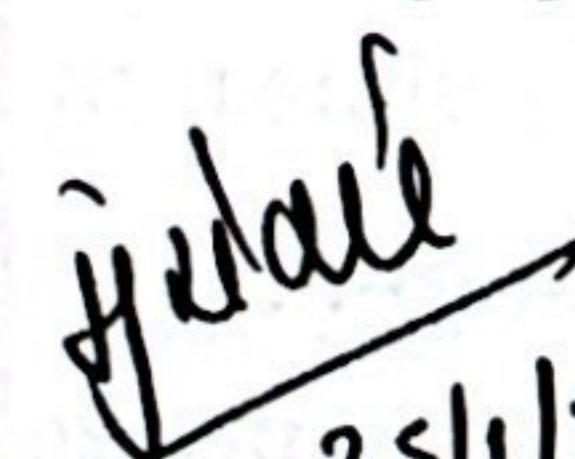
Data required for the scrutiny of the proposal is as under:-

1. Extract of ward plan & sketch showing the existing water mains (black) and the proposed water main (red) and already approved (but not laid) water mains a ward proposal or zonal proposal in _____ color is put up at page_____ and the same are duly attested by AEWWK/W.
2. The length of the proposed water main is **20 meters** .The proposed water main is to be laid from Middle of Mahakali caves road to towards kanakiya SRA
3. The road in which proposed water main is to laid is **Full Municipal Road Road**. A.E.(Maint.)'s remarks are obtained and attached at page_____. The width of road is _____.
4. The D.P.Roads shown on the extract of ward plans exist/ being developed by road department / developer /do not exist.
5. Proposed water main is to be laid in private road and NOC from the owner of the road for laying of water mains in his road has been obtained and attached at page_____.
6. Proposed main is to be tapped from **1500 mm** dia.Parla outlet along Mahakali caves road
7. Proposed water main is also to be cross connected with **(1) 1500 x 300 mm at point A and 300 x 300 mm at point B towards Kanakiya SRA.**
8. Population to be served by proposed main is **4500** slum Population- Approximate water demand to be met with is **202500 liters /Day.**
9. Pressure on the existing main at the tapping point **PSI @ Point A. & 2 PSI @ point B**
10. It is feasible to form a loop by laying the proposed water main.
11. The levels difference in the tapping point and the end point of proposed water main is about **0.5** m. levels along the proposed route are also shown in the extract of ward plan at page_____.
12. Supply zone of the locality under reference is _____ and details of sub supply zone, if any, with details such as gravity supply or pump supply (Municipal / Private)
13. Supply hours of the locality under reference **3 hours.**

14. The slum under reference is a declared slum / and is having individual metered connections / common metered connections.
15. The proposal is for additional water main / **new water main and cross connection to parla outlet.**
16. The proposal is for alleviating contamination in the locality. Existing water main was repaired many times in last two years .Data sheet showing the No. & type of leakages/contamination complaints attended in the last two years is attached at page ____
- a. The efforts taken to identify the source of contamination and reasons for replacement of proposed water main to alleviate the contamination are elaborated in the data sheet mentioned above.
17. The water main proposed to be replaced is not mortar line / mortar-lined in the year ____
18. Information as per the proforma as per H.E.'s Circular issued under No.HE/4156/S dt.10/12/1992 is as under:-
- a. Population **4500**
- b. Water demand **2025200** liters/day.
- c. Supply hours **3 hrs** & timings _____
- d. Pressure in the locality **3 PSI**
- e. Size of feeder main- **900 mm**
- f. Age of feeder main- **20 year old**
- g. Additional information-
19. The proposal is for **laying and and cross connection to parla outlet.** . Following service connections /cross connections / tapings will have to be transferred on the proposed main simultaneously for discarding the existing water main_____
20. The tapping point is below the **Asphalt road.**
21. The road on which the water main is to be laid is in defect liability period. Yes / No
22. There also exist following water mains along the road where new water main is proposed. _____
23. Water main as marked on the sketch , have remained to be discarded along the road under reference ,because _____
24. The type of road surface along which the water main is proposed to be laid as under-**Asphalt road**
25. Concrete road with side strip in asphalt.
26. Concrete road with side strip in paver block.
- 27. Asphalt road.**
28. The detailed report describing the proposal in brief in at least _____ lines stating technical reason / justification of proposal including necessity and benefits of the proposal is prepared and attached at page.


A.E.W.W. K/E
25/1/2024


E.E.W.W.(WS) S
25/01/2024


Dy.H.E. (WS)
25/1/2024


25.01.24

शुद्धमुंबई महानगरपालिका
कार्यकारी अभियंता जलकामे
[नियोजन व संशोधन]

7. FEB 2024

भा.क्र. HE/ 2109 /NOC
E.W.W.(P & R)(IR)ESTT / IR

SBLK/ED

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AE

BRIHANMUMBAI MUNICIPAL CORPORATION
(Hydraulic Engineer's Department)

Subject : Proposal for laying of 300,mm dia water main for the length of approx.20m and cross connection of 300 X 1500 mm dia parla outlet at Kanakia Across Mahakali Caves Road , andheri (E) in K/East Ward
Ref. : 1. AEWW K/E /82 – proposal dtd. 24.01.2024
2) Dy.H.E./W.S./533 / Proposal dtd 25.01.2024.

Reference is requested to AEWW K/East's proposal regarding laying of 300mm dia water main for the length of approx..20m and cross connection of 300 X 1500 mm dia parla outlet at Kanakia Across Mahakali Caves Road , Andheri (E) in K/East Ward as shown in the sketch at Pg-05.


A meeting was conducted on 06.02.2024 under the Chairmanship of Jt.M.C.(Z-III) regarding the shortage of water supply in Marol MIDC, Subhash Nagar , Mogra etc. in K/East Ward. During the meeting Dy.H.E.(WS), Ex.Engineer Water Works (WS) North, A.E.W.W. K/E with staff of this office were present. In meeting it is discussed that the SRA building of Kanakiya is the flag end of supply zone and also with elevated level. Hence it is difficult to supply the water with desire pressure.

Considering the above facts and future requirement it is decided to separate out the short supply prone area from existing MIDC supply zone by making Cross connection with Parla outlet at Mahakali caves road.

In view of above, E.E.W.W. (P& R)'s approval is requested for the following as shown in the sketch Pg.05

1. To provide 300 mm dia Water main tapped from new laid 1500mm dia.Parla outlet and connected to existing 300 mm dia.water main.
2. To provide tapping on 1500mm dia. with 300mm dia. duplicate valve, by removing existing S.V. from point 'F' to pont Point 'H' and by new one at point 'C'.
3. Provide 300mm Dia. M.S.V. at point 'G' by removing from point 'D'
4. To kept existing 300mm dia. S.V. as P.C. by AEWWK/E for separation of zone.
5. EEWW (Const)WS to execute the work prior to or simultaneously with road improvement work in close co ordination with A.E (Roads) K/E & AEWWK/E Ward.
6. The work shall be certified from this office after execution of the work and before handing over the same to AEWWK/E.
7. AEWW K/East to give feed back to this office regarding improvement in water supply, after commissioning of proposed water mains.

Submitted please.


12/2/24
A.E.W.W. (P & R)

E.E.W.W.(P & R)

M. S. Wadhvani
12/02/24
scwyp

Recommended for approval

for sidelined 'x' please

Submitted please

Dy HEC(POC)
Sir,

क्र.ज३/ 2069 आय३
दि. 20 FEB 2024

scwyp
15/2/2026
EEWW(11K)

In view of 'A' & 'B' above, the proposal vide 'x' above approved as proposed.

BRIHANMUMBAI MUNICIPAL CORPORATION
(Hydraulic Engineer's Department)


HE/ 2109 /EEWW (P.&R.)/IR 20 FEB 2024

Subject : Proposal for laying of 300,mm dia water main for the length of approx.20m and cross connection of 300 X 1500 mm dia para outlet at Kanakia Across Mahakali Caves Road , andheri (E) in K/East Ward.

Ref. : 1. AEWW/K/E /82 – proposal dtd. 24.01.2024
2) Dy.H.E./ W.S./533 / Proposal dtd 25 01.2024.

Reference is requested to this office's report at page 13 and Dy.H.E.(P&C)'s approval thereon.

Original file papers are forwarded for Further necessary action.


20/2/24
A.E. (Plg.) WS

A.E.W.W. K/E