**CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD**

**CHENNAI- 600 002**

**NATIONAL COMPETITIVE BIDDING BID DOCUMENT**

**FOR**

# PERFORMANCE BASED CONTRACT FOR OPERATION & MAINTENANCE OF WATER DISTRIBUTION STATION, PIPELINE NETWORKS (PUMPING MAINS & DISTRIBUTION MAINS), HOUSE SERVICE CONNECTIONS AND ALLIED WORKS AT KOTTIVAKKAM WDS AND PERUNGUDI WDS FOR 5 YEARS IN AREA XIV (PACKAGE - III)

**CONTRACT NO: CNT/WSS/NCB/MWB/3694/ 2025-26**

**BID DOCUMENT**

**VOLUME – IV**

**DRAWINGS**

**SUPERINTENDING ENGINEER (CONTRACTS & MONITORING)**

**CHENNAI METROPOLITAN WATER SUPPLY & SEWERAGE BOARD**

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| KOTTIVAKKAM WSS VALVE CHAMBER DETAILS | | | |
|---|---|---|---|
| VALVE NO | STREET NAME | DIA (mm) | LANDMARK |
| SV 1 | Sangam colony tank | 500 | OHT |
| SV 2 | Sangam colony tank | 600 | OHT |
| SV 3 | Vivekanandhar street (Coveying) | 500 | ECR to Vivekanandhar street 15meter distance |
| SV 4 | ECR main | 500 | near by kottivakkam lake and KFC opposite |
| SV 5 | Vivekandhar street | 400 | ECR to Vivekanandhar street 18meter distance |
| SV 6 | Vivekandhar 2nd street | 100 | Plot No-1/264 Enterance |
| SV 7 | Kalathumettu street | 350 | Plote no-1/302 Opposite |
| SV 8 | Swamynathan 2nd street | 100 | Plot No-4/132 -A Opposite |
| SV 9 | Swamynadhan 7th street | 100 | Plot No-4/127A Opposite |
| SV 10 | Venkatesapuram main road | 100 | Door no-4/251 enterance |
| SV 11 | Swamynadhan 4th street | 150 | Plot no-4/375B opposite |
| SV 12 | Swamynadhan main road | 100 | Plot No-4/453 Infrontof gate |
| SV 13 | AGS 3rd main road | 150 | Plot no-42 Enterance |
| SV 14 | AGS 3rd main road | 100 | Plot No-2/478 |
| SV 15 | Natesan colony | 100 | Plot No-7 Building enterance |
| SV 16 | Kamarajar Salai | 400 | Voora Building |
| SV 17 | Lakshmana Perumal main road | 250 | Plot No-3/505 Enterance |
| SV 18 | Lakshmana Perumal main road | 150 | Plot No-3/617 complex front side |
| SV 19 | Kalyani nagar Rani street | 100 | Plot No-40 building front side |
| SV 20 | Nimalan street | 100 | Plot No-2/133 building enterance |
| SV 21 | Jaganathan main road | 200 | Plot No-14 |
| SV 22 | Jaganathan main road | 150 | Street tail end |
| SV 23 | Lakshmana Perumal 4th C/s | 100 | Plot No-3/528 Opposite |
| SV 24 | Lakshmana Perumal 3rd C/s | 100 | Plot No-3/453 opposite |
| SV 25 | Kaveri nagar beach main | 100 | Plot No-3/642 Infront view |
| SV 26 | Baywatch beach | 100 | Junction enterance |
| SV 27 | Beach road-I | 100 | Beach road tail end |
| SV 28 | AGS main road | 200 | kuppam toAGS road Junction starting 5 distance |
| SV 29 | Senthamarai kannan street | 400 | Plot No-1/165 side road |
| SV 30 | Senthamarai kannan street | 100 | Plot No-1/165 side road |
| SV 31 | Venkateswara 1st street | 300 | Plot No-1&2 Compound wall end |
| SV 32 | Kuppam Beach road | 200 | Plot No-111 |
| SV 33 | AGS Colony | 100 | Plot No-56 AGS to karunanithi Junction near |

| PALAVAKKAM ZONE-II WSS VALVE CHAMBER DETAILS | | | |
|---|---|---|---|
| VALVE. NO | STREET NAME | DIA (mm) | LANDMARK |
| SV 1 | ECR main road | 500 | Opposite Palkalai nagar arch&Primary school |
| SV 2 | Kandhasamy nagar 1st street | 100 | Plot No-163A Building Enterance |
| SV 3 | Kandhasamy nagar 2nd street | 100 | Plot No-351 Building Enterance |
| SV 4 | Kandhasamy nagar 3rd street | 100 | Plot No-2/337 Building Enterance |
| SV 5 | Kandhasamy Nagar 4th street | 100 | Plot No-320 Building side road beginning |
| SV 6 | Maniyammai street | 400 | Plot No:2/450 Opposite |
| SV 7 | Kandhasamy 7th street | 100 | Plot No:2/285 Enterance |
| SV 8 | Kandhasamy 9th street | 100 | Plot No-2/268A |
| SV 9 | Periyar salai | 200 | Maniyammai and periyar salai Junction 15meter distance |
| SV 10 | Periyar salai | 250 | Door No:3/388 |
| SV 11 | PKS garden | 250 | Door No:3/76A Enterance. |
| SV 12 | Pachchaiyappan street | 250 | Plot No-3/292A |
| SV 13 | Gandhi street | 200 | Plot No-3/4 and vinayagar temple Opp |
| SV 14 | Maniyammai street EXT | 100 | Door no-3/395 Frontside |
| SV 15 | Govindhan 2nd main road | 100 | Govindhan 5th street Junction&M-1 building enterance |
| SV 16 | Jayasankar main road | 200 | ECR to Jaysankar nagar Junction 8 meter distance |
| SV 17 | Chandrababu naidu street | 100 | Jaisankar nagarto Chandrababu naidu Junction 5 meter distance |
| SV 18 | Kazhura garden | 100 | ECR to Kazhura garden Junctiom15 meter Distance |
| SV 19 | MGR salai | 100 | Ecr ToMgr salai starting point,No-42 |
| SV 20 | Park street | 100 | door No-4/150 enterance |
| SV 21 | Anna salai | 200 | Plot No-1/280 infront of Complex |
| SV 22 | VGP 1st C/s | 200 | Plot No-1/120 Compound wall enterance |
| SV 23 | Kalainagar Karunanithi street | 300 | Arch enterance to 20 meter distance near by Avin milk shop |
| SV 24 | Kalainagar Karunanithi street | 150 | Street end near by beach road |
| SV 25 | Beach road C/s | 150 | Beach road 20Meter distance by Anna salai Junction |
| SV 26 | Palkalai nagar 6th link | 100 | Plot No-210 Opposite |
| SV 27 | Palkalai nagar 5th link | 100 | Plot No-191 side portion wall |
| SV 28 | Bharathi street | 100 | Plot No-1/44 enterance |
| SV 29 | Bharadhidhsan street | 100 | street entarnce |
| SV 30 | Krishna nagar 6th street | 100 | Plot No-3/815 Opposite |
| SV 31 | Anbazhagan street | 250 | Plot No-3/384 Enterance |
| SV 32 | Industrial Estate | 350 | Opposte of estate road Crematorium |
| SV 33 | Manikodi srinivasan 5th street | 250 | senthil nagar and neelankarai link by 5meter distance |

## LEGEND

- 100MM DIA DI PIPE
- 150MM DIA DI PIPE
- 200MM DIA DI PIPE
- 250MM DIA DI PIPE
- 300MM DIA DI PIPE
- 350MM DIA DI PIPE
- 400MM DIA DI PIPE
- 450MM DIA DI PIPE
- 500MM DIA DI PIPE
- 600MM DIA DI PIPE

AIR VALVE

SLUICE VALVE

400 PIPE NO

369 NODE NO

**PROJECT :** PROVIDING COMPREHENSIVE WATER SUPPLY SCHEME TO Kottivakkam and Palavakkam Zone-II, DIVISION - 185 &183,AREA-XIV.

**TITLE :** PROVIDING DISTRIBUTION SYSTEM : PLAN SHOWING NODE NUMBERS,PIPE NUMBERS,PIPE DIAMETER AND LENGTH

CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD,
CHINTADRIPET, CHENNAI–600002.

**SCALE :** NTS

**DRAWING NO: 9**

**PERUNGUDI WSS VALVE CHAMBER DETAILS**

| VALVE NO | STREET NAME | DIA | LANDMARK |
|---|---|---|---|
| SV 1 | Tapping point (Conveying) | 500mm | Thooraipakkam amma hotel opposite service road |
| SV 2 | Corporation Road (Conveying) | 500mm | Corporation road starting nearby amma hotel |
| SV 3 | Perungudi tank (Conveying) | 500mm | Tank enterance |
| SV 4 | Perungudi tank (UGT-OHT) | 600mm | Pump room to OHT tank middle |
| SV 5 | Veerapandian kattapomman street | 300mm | Tank outdoor |
| SV 6 | Veerapandian kattapomman street | 600mm | Kalainagar karunanithi street enterance |
| AV 7 | Veerapandian kattapomman street | 100mm | Veerapandiyan kattabomman street last and opposite of lake |
| SV 8 | Rajiv nagar 2nd main road | 100mm | Plot No:3/2C infront gate |
| SV 9 | Rajiv nagar 1st main road | 200mm | Plot No:5&6 center position |
| SV 10 | Veeravanjinathan main road | 350mm | Plot No:1/7 |
| SV 11 | Veeravanjinathan main road | 300mm | Door No:21 |
| SV 12 | Vembuliamman kovil C/s | 100mm | Amma Unavagam side portion |
| SV 13 | Thirumalai nagar 5th c/s | 200mm | Plot No:152 Opposite |
| SV 14 | Elim nagar manthoppu 1st main road | 100mm | Stone appartment opposite |
| SV 15 | Thirumalai nagar Annex 1st main road | 100mm | J.K market enterance |
| SV 16 | Thirumalai nagar 2nd main road | 150mm | Plot no:1&2 |
| SV 17 | Thirumalai nagar 4th C/s | 100mm | Plot no:2/15A |
| SV 18 | Thirumalai nagar 9th C/s(Church road) | 150mm | Geeyam Complex more market enterance |
| SV 19 | Thirumalai nagar 9th C/s(Church road) | 100mm | Plot no:30 |
| SV 20 | Telephone nagar main road | 300mm | Plot no:2-2meter distance infront of wall |
| SV 21 | Telephone nagar main road | 100mm | Plot No:169 |
| SV 22 | Green acres | 100mm | Enterance gate |
| SV 23 | Nethaji street | 200mm | Door No:62 |
| SV 24 | Kamarajar 9th street | 200mm | Plot No:145 infront of Compound wall |
| AV 25 | Kamarajar 12th Cross street | 100mm | Door no:125 infront of Compound wall |
| SV 26 | Veerasamy Salai | 150mm | Door No:6/7 infront of Compound wall |
| SV 27 | Kururji 1st street | 200mm | Plot No-4/16 infront of Compound wall |
| SV 28 | Erikarai Salai | 400mm | Corporation Vehicle Parking gate |
| SV 29 | Anna nedunchalai | 100mm | Ramana Building Enterance |
| SV 30 | School Road | 100mm | Opposite of Crematorium |
| SV 31 | Ramappa nagar main road | 200mm | Road starting Onwards meter distance |
| SV 32 | CBI Colony main road | 150mm | Fine tek company Door no:225/2A |
| SV 33 | CBI Colony 1st main road | 350mm | Begining of MGR salai Junction |
| SV 34 | Panchayat 2nd C/s | 100mm | KOP House-No:43 opposite |
| SV 35 | Janakiraman main road | 100mm | Plot No:7 Compound wall last finishing level |
| SV 36 | Panchayat main road | 300mm | Santhi Junior School-NO:R-2. |
| SV 37 | Seevaram 3rd street | 100mm | Plot no:5 Enterance |
| SV 38 | Kumaran nagar | 100mm | Street beginning to 20meter distance |
| SV 39 | MGR Salai | 250mm | Door no:13 -FB Cake house |
| SV 40 | Thiruvengadam 2nd street | 100mm | Door no:56 Front side wall |
| SV 41 | Nehru nagar 3rd main road | 100mm | Plot no-146 |
| SV 42 | Nehru nagar 14th C/s | 100mm | Door no:4/447 Gate enterance |
| SV 43 | Judges Colony | 250mm | Door No:4/447 Compond wall side road wall |
| SV 44 | VSI Estate | 100mm | Prosex Lekronics-Plot No-31 |
| SV 45 | VSI Estate | 100mm | VSI 2nd Phase road turning point |
| SV 46 | Nehru Nagar 3rd C/s | 200mm | Plot no-172 |
| SV 47 | Nehru nagar 9th street | 350mm | Metro water UGT sump and Vijaya Ganapathy Alayam |
| AV 48 | Telephone nagar 17Th C/s | 100mm | Street dead end-empty land |
| AV 49 | Padmavathy Avenue | 100mm | Street dead end-Plote no-96 |

NORTH

RAJIV GANDHI SALAI (OLD MAHABALIPURAM ROAD)

PARK

SRINIVASA NAGAR

OMR ROAD

## LEGEND

- 100MM DIA DI PIPE
- 150MM DIA DI PIPE
- 200MM DIA DI PIPE
- 250MM DIA DI PIPE
- 300MM DIA DI PIPE
- 350MM DIA DI PIPE
- 400MM DIA DI PIPE
- 450MM DIA DI PIPE
- 500MM DIA DI PIPE
- 600MM DIA DI PIPE
- 700MM DIA DI PIPE
- 750MM DIA DI PIPE
- 800MM DIA DI PIPE
- 1000MM DIA DI PIPE
- AIR VALVE
- SLUICE VALVE
- 400 PIPE NO
- 369 NODE NO

**PROJECT :** PROVIDING COMPREHENSIVE WATER SUPPLY SCHEME TO Perungudi

**TITLE :** PROVIDING DISTRIBUTION SYSTEM : PLAN SHOWING PERUNGUDI VILLAGE ROAD WITH REDUCED LEVELS NODE NUMBERS,PIPE NUMBERS,PIPE DIAMETER AND LENGTH

CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD,
CHINTADRIPET, CHENNAI-600002.

**SCALE :** NTS

**DRAWING NO:** 9