THE MINISTER OF INFORMATION AND BROADCASTING (SHRIMATI AMBIKA SONI): (a) In terms of section 11 of the Prasar Bharati (Broadcasting Corporation of India) Act, 1990, as amended from time to time, a member of Indian Information Service (IIS) who was working in Akashvani or Doordarshan immediately before the appointed day, *i.e.* 23-11-1997, had the option of getting absorbed as an employee of the corporation, to continue on deputation to Prasar Bharati or to revert back to the Government.

(b) Section 11 provides for transfer of service of all categories of employees of Akashvani or Doordarshan including members of IIS working in Akashvani and Doordarshan immediately before the appointed day by calling for an option from the employees. However, the Section remained unimplemented till date due to resistance of the employees and option as envisagetfunder the Section was not called for from the employees.

(c) A Bill, based on the recommendations of Group of Ministers on Prasar Bharati, approved by the Cabinet, for amending Section 11 of the Prasar Bharati Act has been passed by Rajya Sabha on 08.12.2011. It is pending for consideration and passing in Lok Sabha.

The Bill has an enabling provision for the officers belonging to Indian Information Service, Central Secretariat Service etc. borne on the cadres outside Akashvani and Doordarshan, to serve in Prasar Bharati on such terms and conditions as may be specified under Section 32 of the Act.

Ground water level in metro cities

*373.SHRI P. BHATTACHARYA: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether it is a fact that the ground water level is fast depleting in metro cities of the country due to heavy demand of water;

(b) whether any survey has been carried out to measure the existing demand and supply of water in big cities;

(c) if so, the details thereof; and

(d) the measures being taken by Government to restore ground water level and ensure adequate supply of potable water?

THE MINISTER OF WATER RESOURCES (SHRI PAWAN KUMAR BANSAL): (a) Yes Sir. Ground water level is epleting at a rapid pace in some of the metro cities due to over-exploitation of

ground water to meet the increasing demand of water and reduced natural recharge of ground water due to increased urbanization. As per analysis of ground water level data collected by Central Ground Water Board, ground water levels have declined by more than 4 metres during the past decade (2002 - 2011) in metro cities of Faridabad, Delhi, Rajkot, Greater Mumbai, Jaipur and Ludhiana.

(b) and (c) An assessment of water demand for domestic purposes for the 35 metropolitan cities upto 2021 on the basis of inputs from state water resources/irrigation departments is given in Statement-I *(See* below).

(d) Urban water supply is a state subject and measures for ensuring adequate supply of potable water in urban areas is the responsibility of urban local bodies. However, Min. Of Urban Development is providing Additional Central Assistance (ACA) under Jawahar Lai Nehru National Urban Renewal Mission (JNNURM) to supplement their efforts in providing urban water supply facilities. Out of 35 metro cities (census 2001), a total of 120 water supply projects in 30 cities have been approved so far for funding under JNNURM at a total estimated cost of Rs. 16119.47 crores with committed ACA of Rs.6928.10 crores. List of approved water supply projects under the scheme is given in Statement-II *(See* below).

Central Ground Water Board (CGWB) / Central Ground Water Authroity (CGWA) has taken following measures for restoration of ground water level:

- Central Ground Water Board has been implementing pilot/ demonstrative recharge projects in various States since VIII Plan for replication by the States under similar hydrogeological environments.
- Circulation of 'Model Bill' to enable States/Union Territories to enact suitable legislation for regulation and control of ground water development, which provides for making roof top rain water harvesting mandatory. So far as 11 States/ UnionTerritories namely Andhra Pradesh, Bihar, Goa, Himachal Pradesh, Kerala, Tamil Nadu, West Bengal, Chandigarh, Dadra & Nagar Haveli, Lakshadweep and Puducherry have enacted ground water legislation. Matter is being actively pursued with other States.
- Directions have been issued to Chief Secretaries/ Administrators of all the States/ Union Territories and Ministry of Urban Development to take necessary action to adopt rain water harvesting/ artificial recharge on all the Government buildings.
- Directions have been issued to all the Residential Group Housing Societies/ Institutions/Schools/ Hotels/ Industrial Establishments falling in the over-exploited and critical

areas (except in the water logged areas) in the country to adopt Roof Top Rain Water harvesting systems in their premises.

- Directions have been issued for Implementation of ground water recharge measures along all National Highways, State Highways and other major roads by CRRI, National Highways Authority of India, CPWD, State PWDs; along rail tracks by Indian Railways; in the Stadia by Sports Authority of India, BCCI, Departments of sports and Youth Affairs and in the Airports by Airport Authority of India, Ministry of Civil Aviation for Promoting Rain Water Harvesting/ adoption of artificial Recharge to Ground Water in the country (except in the water logged areas).

- CGWA has directed large and medium Industries using ground water in the over exploited and critical areas in the country (except in the water logged areas) to take up water conservation measures including recharge of ground water/rain water harvesting and adopt practices of treatment, recycle and reuse of waste water in their premises.

- The Ministry of Water Resources has instituted 20 Ground Water Augmentation Awards & 1National Water Award to encourage Non-Governmental Organizations (NGOs) /Gram Panchayats/ Urban Local Bodies/ Institutions/ Corporate Sector and Individuals for adopting innovative practices of ground water augmentation by rainwater harvesting and artificial recharge, promoting water use efficiency, recycling & re-use of water and creating awareness through people's participation.

- Central Ground Water Board organizes IEC activities like mass awareness and training programmes, painting completion, displaying models in exhibitions and fairs, printing of Meghdoot cards, display of hoardings at prominent public places etc.

- Central Ground Water Authority has notified 82 areas in the country for regulation of ground water development and management. Notified areas include South and South West districts and Yamuna flood plain area in Delhi, Municipal Corporation of Faridabad, Indore, Ludhiana and entire Jaipur urban area (falling in Jothwara, Amer and Sanganer blocks). In these notified areas, installation of new ground water abstraction structures is not permitted without prior specific approval of the Authority/ Authorized officer. For enforcement of the regulatory directions issued under Section 5 of EPA, 1986, concerned Deputy Commissioners/ District Collectors have been authorized to take necessary action in case of violations of directives of CGWA in the notified areas.

Statement

Statement showing water demand, water availability, present and future source of water extracted from the status reports on water resources requirements and its availability in urban areas prepared by the regional committees

(Based on data furnished by the Department concerned of the Respective State Government)

Sl. No.	Urban Agglomeration	Water Demand	Water	Availability / Supply		Present source of water supply	Resources to meet future demand
		2001	2021	2001	2021		
1	2	3	4	5	6	7	8
1	Ludhiana (Punjab)	242 (MLD) (Domestic) + 125 (MLD) (Industrial)	580 (MLD) (Domestic) + 160 (MLD) (Industrial)	375 MLD	There will be no shortfall in future	Under Ground Water through tube wells. Industry is making its own arrangement	50% through canals (Sidhwan canal) and 50% by tube wells. Assumed that industry will make its own arrangement
2	Amritsar (Punjab)	175 (MLD) (Domestic) + 42.11 (MLD) (Industrial)	267 (MLD) (Domestic) + 52.64 (MLD) (Industrial)	232.56 MLD	There will be no shortfall in future	Under Ground Water through tube wells. Industry is making its own arrangement	50% through canals (UB&C system) and 50% by tubewells. Assumed that industry will make its own arrangement

1	2	3	4	5	6	7	8
3	Faridabad (Haryana)	89.5 MGD (406 MLD) including 29.5 MGD (133 MLD) for Industrial and the balance for other uses.	160.77 MGD (730 MLD) including 41.8 MGD (189 MLD) for Industrial and the balance for other uses.	40 MGD (182 MLD) Present shortfall is 49.5 MGD (225 MLD)	Projected water supply demand will be met by canal system, Tube wells and Ranney wells.	Through tube wells	By canal water (Mewat canal) and ground water.
4	Bhopal (Madhya Pradesh)	255 (MLD) (Domestic) +80 (MLD) (Industrial)	482 (MLD) (Domestic) + 80 (MLD) (Industrial)	Total supply is 265 MLD. Shortage is 70 MLD.	From identified sources is 630 MLD.	Kolar river, Upper Lake, Tube wells and Dug wells.	Kolar river, Upper Lake, Ground water and Narmada river

1	2	3	4	5	6	7	8
5	Indore (Madhya Pradesh)	318.20 (MLD) (Domestic) No Major Industry	671 (MLD) (Domestic) No mention of Industry	Total supply is 183.5 MLD. Shortage is 134.70 MLD.	Extra requirement works out to 487.5 MLD, which has to be met by constructing projects on Narmada river.	Narmada river. Yashwant Sagar reservoir and Ground water.	Additional water supply project on Narmada river. A major project on Narmada river is also required.
6	Jabalpur (Madhya Pradesh)	214.312 (MLD) (Domestic) + 25 (MLD) (Industrial)	327 (MLD) (Domestic) + 25 (MLD) (Industrial) which is only the present demand	Total supply is 145 MLD. Shortage is 94.51 MLD.	The assessed requirements for 2021 will be met from identified sources.	Khandari Dam and Gour river. PariatDem and Phaguwa Ghat Narmada river & Ground water.	A location for intake on Narmada river near Ttlwara Ghat has been identified to meet additional requirement of water and Ground water.

1	2	3	4	5	6	7	8
7	Hyderabad (Andhra Pradesh)	956 (MLD) (210 MGD)	1817 (MLD) (400 MGD)	Total supply is 770 MLD (170 MGD). Deficit is 186 MLD (40 MGD).	From identified sources is 2000 MLD (440 MGD).	Osmansagar, Himayatsagar, Manjira Phase -1 & II and Manjira Phase - III & IV, Ground water through bore wells.	To meet the future water demand, the proposal prepared by HMWSSB envisages drawing raw water from foreshore of Nagarjunasagar in three phases.
8	Visakhapatnam (Andhra Pradesh)	314 (MLD) (69 MGD) + 264 MLD (58 MGD) industrial requirement	521 (MLD) (115 MGD) + 592 MLD (130 MGD) industrial requirement	For VMC area total supply is 168 MLD (37 MGD). Deficit is 146 MLD (32 MGD).	For VMCarea total supply is of the order of 168 MLD (37 MGD). Deficit will be 353 MLD (78 MGD).	Mudasaralova, Yeleru, Raiwada, Meghadrigedda, Thatipudi Reservoir Scheme and Gosthani river.	To increase the present drawals from Yeleru Left main canal and Thatipudi Reservoir. Drawing water from Jhanjavathi reservoir and additional water from Godavari river.

1	2	3	4	5	6	7	8
9	Vijayawada	150 (MLD)	270 (MLD)	Total supplyis MGD)	From identified (60 MGD).	From Krishna River Ground Water (including infiltration galleries in Krishna River	From Krishna River Ground Water (inclu- ding infiltration galleries in Krishna
10	Bangalore (Karnataka)	1176 MLD LDR)	2232 MLD (HGR&LDR)	705.5 MLD	2575 MLD	1. Arkavathy	Cauvery
						2. Cauvery	Stage - IV
			1910 MLD			i) Stage-I	i) Phase-I
		1680 MLD	(LGR&LDR)			ii) Stage-II	ii) Phase-H
		HDR)	3189 MLD (HGR&HDR)			iii) Stage-III	Cauvery Stage -V Sufficient to meet
			2729 MLD				water demands upto
			(LGR&HDR)				2025. To meet demands beyond 2025, BWSSB has to go for new resources.

1	2	3	4	5	6	7	8
11	Nagpur	361 MLD	600 MLD (for rate of 155.25 lpcd) 670 MLD (for consumption rate of 172.50 lpcd)	430 MLD	2670 MLD	Gorewada Tank, Irrigation Project	Rahari Barrage on MLD). Jamghat HE Project (1827 MLD). Additional Ground Water of 450 MLD.
12	Greater Mumbai (Maharashtra)	3878 MLD (total require-ments per GMMC norms) 2056 MLD (domestic requirement as per CPHEEO norms)	5081 MLD (total require-ments per GMMC norms) 2741 MLD (domestic requirement as per CPHEEO norms)	2906 MLD (surface water) 60 MLD (ground water)	5293 MLD (surface water) 288 MLD (ground water)	Tuist lake,Vehar Lake, Tansa dam, Väitama dam, Upper Väitama dam, Bhatsadamand ground water	Middle Väitama, Gargai, Pinjal, Käiu project and ground water.

1	2	3	4	5	6	7	8
13	Nashik (Maharashtra)	199 MLD (as per CPHEEO norms) 179 MLD (as per NMC with 135 lpcd)	345 MLD (as per CPHEEO norms)	Total water supply is 185 MLD including 7 MLD non domestic demand	325 MLD from surface sources and 16 MLD from ground water sources	Gangapur dam and Darna dam	Gangapur dam and Darna dam and also with construction of Gautami and Kashyapi dams.
14	Pune (Maharashtra)	635 MLD (total requirement as per PMC) 468 MLD (domestic requirement as per CPHEEO norms)	777 MLD (as per CPHEEO norms)	At present 750 MLD water is supplied to the PMC area.	892.20 MLD from Khadakwasla project and an additional 29.64 mid from ground water.	Khadakwasla Project and Temghar dam	PMC required to identify new sources since sanction to draw water from Khadakwasla project is valid up to 2002.

1	2	3	4	5	6	7	8
15	Kolkata (West Bengal)	2258.4 MLD	3124 MLD	3207.7 MLD	Future requirement can be met from surface and ground water sources.	River Hoogly is the only source of surface water for KUA. Water Treatment Plants are functioning for water supply. Groundwater is also used through deep tube wells and hand tube wells.	Future demand has been proposed to be met by installation of new plants as well as increasing the capacity of the existing treatment Plants e.g. Garden Reach Water Works and Palta Water Works.
16	Asansol (West Bengal)	136.35 MLD	206 MLD	165 MLD	Shortfall in future supply is projected as 14 MLD	Damodar, Ajay and Barakar river.	Completion of RCFA Part III water supply ground water resources etc.
17	Kanpur (Uttar Pradesh)	588.50 MLD	1226.50 MLD	310 MLD	1600 MLD	Ganga river, canal and tube wells.	Ganga Barrage, Kanpur

1	2	3	4	5	6	7	8
18	Agra (Uttar Pradesh)	270.97 MLD	425.79 MLD	Figure not indicated in report	345 cusecs from Gokul barrage and Agra barrage.	Yamuna river and tube wells.	Gokul barrage and proposed Agra barrage.
19	Lucknow (Uttar Pradesh)	431 MLD	776 MLD	410 MLD	Future requirement will be met from Sharda Sahayak Canal System.	Gomti river and tube wells.	3rd and 4 water works of Sharda Sahayak Canal System.
20	Varanasi (Uttar Pradesh)	210 MLD	330 MLD	235 MLD	Future requirement will be met from construction of second water works.	Ganga river and tube wells.	
21	Allahabad (Uttar Pradesh)	180 MLD	300 MLD	140 MLD	Future requirement will be met from construction of second water works.	Yamuna river and tube wells	Second water works have been proposed to meet future require-ment.

1	2	3	4	5	6	7	8
22	Meerut (Uttar Pradesh)	267.37 MLD	400.20 MLD	267.37 MLD	Figure not indicated in report	Tube wells	
23	Patna (Bihar)	Figure not indicated in report	628 MLD (6.28 lakh K litres/day)	135 MLD (1.35 lakh Klitres/day) and 60000-80000 KL/day.	The future needs for year 2021 and beyond can be met from Ground water.	72 Nos. of high yielding tube wells.	Ground water is available in abundance and the future needs for year 2021 and beyond can be met.
24	Jamshedpur (Jharkhand)	Figure not indicated in report	601 MLD (6.01 lakh K litres/day	Present requirement is met from surface water source.	Future availability from surface water sources only.	Dimna Lake, Sitarampur lake and by pumping from ponding across Subernarekha created by low height weir near mango bridge.	Chandil dam across Subernarekha and Icha dam across Kharkai river.
25	Dhanbad (Jharkhand)	Figure not indicated in report	653 MLD (6.53 lakh K litres/day	Present requirement is met from surface water source.	Future availability from surface water sources only.	Small ponding at Jamadaba on river Damodar	Bokaro Barrage and Konar dam.

1	2	3	4	5	6	7	8
26	Chennai (Tamil Nadu)	809 MLD	1230 MLD	299 MLD	Future availability from surface water, ground water and seawater sources.	Poondi, Cholavaram and Red Hills reservoirs system and ground water. Gap may be bridged through Krishna Water Supply Project. Balance need to be met from other sources.	
27	Coimbatore (Tamil Nadu)	249.441 MLD	437.858 MLD	153.284 MLD Gap of 96.157 MLD	276.254 MLD Gap of 161.604 MLD	Siruvani River Source Pillur Water Supply Scheme	Pillur River Scheme-II, scheme for Koundampalayam and Vadavalli Town panchayat from Bhavani river near Nellithurai and Aliyar river scheme.

1	2	3	4	5	6	7	8
28	Madurai (Tamil Nadu)	215.04 MLD	264.53 MLD	115 MLD present gap of 99.96 MLD	Future availability expected to increase from proposed water supply schemes.	Surface water through Vaigai water supply scheme. Sub-surface water from 6 pickup wells. Melakkal, Thatcampathu, Kochadai collector well, Kochadai, Manaloor and Thiruppuvanam.	Kallar River Supply Scheme. Cauvery River Source, Rejuvenation of Tanks and supply Channel in and around Madurai Corporation and proposal for bringing additional water directly from Vaigai dam instead of drawing from riverbeds.
29	Kochi (Kerala)	274.2 MLD	358.7 MLD	250 MLD	By implementing various schemes the availability will be nearly equal to demand	Kochi water supply schemes and seven other water supply schemes	Apart from the present sources, two augmentation schemes and four new water
30	Rajkot (Gujarat)	135 (Domestic demand) 162 MLD (Total demand)	315 MLD	94 MLD Short Fall is 69 MLD	94 MLD Short Fall is 221 MLD	Aji -1 Water Supply Scheme, Nyari -1 Water Supply Scheme, Bhadar Water Supply Scheme, Nyari-II Water Supply Scheme, Drinking water from Mahi canal	It is proposed to raise the capacity of Nyari - 1 dam by rising earthen dam and widening of water weir. Extension of distribution network is also proposed.

1	2	3	4	5	6	7	8
31	Surat (Gujarat)	573 MLD	1440 MLD	Installed capacity (Surface + Ground) is 673 MLD Average water supplied is 540 MLD	24X7 supply is envisaged in the year 2021 in Water Supply Master Plan.	River Tapi is the major source of water. The Water Works are Varachha, Sarthana, Katargam and Rander.	Rain water recharging and harvesting plan, modernization of existing infrastructure, private sector participation etc.
32	Vadorada (Gujarat)	275.90 MLD	460 MLD	275.85 MLD At present there is no shortfall	275.85 MLD Future shortfall of 184 MLD has been projected	Shri Sayaji Sarovar. French wells in Mahi river Fazalpur, Poicha, Raik, Dodka. Tube wells.	Vadodara Municipal Corporation has prepared two master plan. Source Narmada River basis and Upgradation of distribution system.
33	Ahmedabad (Gujarat)	Figure not indicated in report.	279 MGD (1266 MLD)	Average daily water supply is 529.786 MLD	Future supply estimated to be 334 MGD (1516 MLD)	Filter plant at DDW, French well, Raska project. Intake well-1, Bore wells.	Filter plant at DDW, French well, Raska project. Intake well-1, Intake well-II and Bore wells.

1	2	3	4	5	6	7	8
34	Delhi (Delhi)	a) 893 MCM* (2445 MLD) b) 1326.56 MCM** (3632 MLD)	a) 1574 MCM (4310 MLD) b) 2288 MCM (6265 MLD)	1231.04 MCM/ year (3369 MLD)	4017.28 MCM/ Year (11000 MLD)	River Yamuna, River Ganga, Bhakra Storage and ground water	Apart from the present sources water is also proposed to be made available from the proposed Tehri Renuka, Kishau and Lakhwar-Vyasi dams.
35	Jaipur (Rajasthan)	361.1 MLD (BIS norms) 349 MLD (CPHEEO norms)	796.5 MLD 885 MLD	Present water supply is of the order of 313 MLD.	Availability is expected to increase from proposed surface water sources	Tube wells, Ramgarh Lake & TW outside urban areas, Hand pumps, Cavity wells.	From existing Bisalpur dam and from proposed Isardah dam.

a) * As per CPHEEO norms @ 172 LPCD

b) ** As per DJB proposal @ 274 lpcd

Statement-II

List of Water Supply Projects approved under JNNURM for Metro Cities (as per 2001 census)

Sl.No.	Metro No		Project Name	Approved Cost (Rs. in Lakhs)	Additional Central Assistance (ACA) committed (Rs. In Lakhs)	ACA Released (Rs. In Lakhs)
1	2	3	4	5	6	7
1.	1.	Agra	Agra Water Supply	8270.50	4135.25	3721.72
2.	2.	Ahmedabad	Pipeline from Narmada Main canal to Kotaxpur WTP; 330 MLD Intake Well in Sabarmati river near Kotarpur; Water Treatment Plant at Raska	5383.25	1884.14	1884.06
3.	3.	Allahabad	Water Supply Component of Allahabad city	8969.00	4484.50	4484.52
4.		Allahabad	Water Supply component of Allahabad city (Part-II)	15915.22	7957.61	5276.05
5.	4.	Amritsar	Water Supply, Sewerage and Sewage treatment for Amritsar	17934.00	8967.00	2241.75
6.		Amritsar	Rehabilitation of existing water supply for walled city area, Amritsar	4578.00	2289.00	572.25

7.	5.	Asansol	7 MGD WTP together with reservoir, distribution system and other allied works	2878.00	1439.00	1439.00
8.		Asansol	Water Supply Scheme for Asansol Municipal Corporation	8982.96	4491.48	3368.61
9.		Asansol	24*7 water supply scheme (Phase-III) for Durgapur	12681.40	6340.70	1585.18
10.		Asansol	24*7 water supply scheme for Kulti Municipality, Asansol UA	13370.60	6685.30	1671.33
11.		Asansol-Jamuria	22.7 MLD Water Supply Project in Jamuria under Asansol Urban Area, West Bengal	1453.00	726.50	726.50
12.		Asansol-Raniganj	42 MLD Water Supply Project in Raniganj under Asansol Urban Area, West Bengal	3627.00	1813.50	1360.14
13.	6.	Bangalore	Augmentation of Additional 100 MLD of water from CWSS stage IV Phase I	1226.00	429.10	343.28
14.		Bangalore	Bulk flow metering system for Bangalore water transmission network	1531.00	535.85	348.29
15.	7.	Bhopal	Water Supply to Gas affected areas	1418.31	709.00	638.25
16.		Bhopal	Narmada Water Supply Project for Bhopal	30604.16	15302.08	13774.87
17.		Bhopal	Water Supply Distribution Network of Bhopal	41545.64	20772.82	5193.20

1	2	3	4	5	6	7
18.	8.	C hennai	Improvements to Water Supply System in Chennai	32200.00	11270.10	7325.50
19.		Chennai	Providing Water Supply and Sewerage System infrastructure along IT corridor in Chennai (7 packages)	4177.00	1461.95	1096.47
20.		Chennai	Improvement of water supply in Tambaram municipality	3261.60	1141.56	1027.40
21.		Chennai	Sea Water Desalination Plant at Minjur	8780.00	7024.10	5268.00
22.		Chennai	Improvement of water supply to Porur Twon Panchayat	1235.79	432.53	324.39
23.		Chennai	Improvement of water supply to Maduravoil	2330.00	815.50	326.21
24.		Chennai	Construction of sump cum pump house over 90 cusec canal near Poondi reservoir for raw water treatment plant	911.00	318.85	286.96
25.		Chennai	Comprehensive Water Supply scheme for Avadi Municipality	10384.00	3634.40	2362.36
26.		Chennai	Nerkundram Village Panchayat-Improvement of Water Supply	1917.00	670.95	67.09
27.		Chennai	Providing Comprehensive Water Supply Scheme to Ulagaram Puzhuthivakkam Municipality	2424.00	848.40	212.10

28.		Chennai	Providing Comprehensive Water Supply Scheme to Thiruvottyur Municipality	8511.70	2979.00	745.00
29.		Chennai	Comprehensive Water Supply scheme to Alandur Municipality	6439.00	2254.00	902.05
30.		Chennai	Providing comprehensive Water Supply in entire area of Ambattur Municipality	26708.00	9347.00	3739.20
31.	9.	Cochin	Water Supply System to Kochi Part I	20117.00	10058.50	4023.43
32.	10.	Coimbatore	Improvement to Water Supply Scheme	1137430	5687.15	5118.28
33.	11.	Faridabad	Augmentation of Water Supply for Faridabad Town, Haryana	49349.00	24674.50	9869.77
34.	12.	Greater Mumbai KDMC	Kalyan Dombivli-150 MIX) Water Supply scheme of Kalyan Dombivli Municipal Corporation	10681.49	3738.52	2803.89
35.		Greater Mumbai NMMC	Navi Mumbai - Augmentation of water supply system for Navi Mumbai Municipal Corporation (NMMC)	23052.03	8068.21	4034.10
36.		Greater Mumbai Ulhasnagar	Ulhasnagar-Water Supply Distribution System	12765.23	4467.83	1787.13
37.		Greater Mumbai KDMC	Augmentation of existing water Supply scheme of Kalyan Dombivli Municipal Corporation	25363.48	8876.51	3550.54

1	2	3	4	5	6	7
38.		Greater Mumbai MCGM	Middle Vaitarna Water Supply Project for Mumbai-IV	132950.00	46532.50	46532.13
39.		Greater Mumbai MCGM	Underground Tunnel from Malabar Hill Reservoir to Cross Maidan (3.6 Kms)	9398.79	3289.58	2138.21
40.		Greater Mumbai MCGM	Underground Tunnel from Maroshi to Ruparel College (12 Kms.)	29486.76	10320.37	6708.23
41		Greater Mumbai Thane	TTTANE-DPR for additional 110 MLD Water supply scheme of THANE	7118.00	249130	249130
42.	13.	Hyderabad	DPR for laying pipeline from Sahebnagar TBR to Prashasan Nagar	9493.00	3322.55	2991.39
43.		Hyderabad	Diversion of Krishna Water to Secunderabad	8120.00	2842.00	2558.30
44.		Hyderabad	Grid improvement works building additional storage facilities on North of Musi	2981.00	1043.35	678.16
45.		Hyderabad	Grid improvement works building additional storage facilities on South of Musi	3355.00	1174.25	1056.82
46.		Hyderabad	Providing Flow, Level and Chlorine measurements and supervisory Control and Data Acquisition System (SCADA) for All Reservoirs and bulk supply pipe lines in the entire system of HMWSSB	990.00	346.50	311.83

47.		Hyderabad	Krishna Drinking Water Supply Project (Phase-II)	60650.00	21227.50	21227.50
48.		Hyderabad	Refurbishment of existing feeder system including distribution network for 10 zones in Old Municipal Corporation of Hyderabad	23222.00	8127.70	3251.07
49.		Hyderabad	Comprehensive Water supply Distribution Network and implementation of sewerage Master Plan for identified priority zones of Rajendranagar Municipal Circle of GHMC	31426.00	9000.00	2500.00
50.	14.	Indore	Yeshwant Sagar Water Supply System Augmentation Scheme	2375.00	1187.50	1187.75
51.	15.	Jabalpur	Rehabilitation of existing pumping stations at Ranjhi, Fagua and construction of new pumping stations at Bhongadwar WTP.	1406.00	703.00	281.20
52.	16.	Kanpur	Water Supply Works for Inner Old Area of Kanpur City	27094.89	13547.44	8805.83
53.		Kanpur	Water Supply Part-II for remaining areas of Kanpur	37778.92	18889.46	7555.80
54.	17.	Kolkata	Development and Management of Water Supply and Sewerage system at Sector-V, Naba Digianta Industrial Township Authority at Salt Lake	2606.62	912.32	912.32

1	2	3	4	5	6	7
55.		Kolkata	Surface Water Supply Scheme for Municipal Towns of Naihati, Halisahar, Kanchrapara, Gayeshpur and uncovered areas of Kalyani, Kolkata	14194.25	4967.98	4968.00
56.		Kolkata	Tallah Palta Dedicated Transmission Main	30492.48	10672.37	8004.27
57.		Kolkata	Transmunicipal Surface Water Supply scheme for Dum Dum, North Dum Dum, and South Dum Dum Municipalities	31272.08	10945.23	2736.31
58.		Kolkata	Water Supply Scheme for Bhatpara Municipal Area	24970.42	8739.65	2184.91
59.		Kolkata	Metering of Water Supply System for Chandernagar Municipal Corporation	1369.41	479.29	119.82
60.		Kolkata	Surface Water supply scheme for Bally Municipality, Kolkata	13849.36	4847.28	1211.82
61.		Kolkata	24X7 Water Supply scheme for Panihati Municipality Kolkata U.A.	24602.30	8610.81	2152.70
62.		Kolkata	Water supply project (Ph-II) for Uluberia Municipality in Kolkata	12478.23	4367.38	
63.		Kolkata-Akra	Underground Water Reservoir-cum-Booster pumping station at Gandhi Maidan, Akra	1066.00	373.10	373.12

64.	Kolkata-Bansberia	15 MGD Water Treatment Plan at Bansbetria	4492.00	1572.20	1179.15
65.	Kolkata-Barrackpore	Barrackpore and North Barrackpore Municipal Areas	12950.88	4532.81	2266.40
66.	Kolkata-Baruipur	Water supply scheme for Baruipur Municipality.	951.86	333.15	249.87
67.	Kolkata-Bhadreswar	Water Supply scheme for Bhadreswar Municipal Area, Kolkata U.A.	7462.89	2612.01	653.00
68.	Kolkata-Budge Budge	24x7 water supply scheme for budge budge municipality, Kolkata U.A.	8164.12	2857.44	714.36
69.	Kolkata-Chandannagore	24x7 water supply scheme for Chandernagore Municipal Corporation	2521.87	882.67	441.34
70.	Kolkata-Dhapa	Water Treatment Plan at Dhapa 30 MGD Phase-I	9875.00	3456.25	1728.12
71.	Kolkata-Dhapa	Comprehensive distribution network with in the command zone of 30 MGD Dhapa water treatment plant.	21555.27	7544.34	1886.06
72.	Kolkata-Garulia	24x7 Water Supply Scheme for Garulia Municipality	4719.26	1651.74	825.88
73.	Kolkata-Howrah	Water Supply Scheme for added areas of Howrah Municipal Corporation	9068.91	3174.12	2380.59
74.	Kolkata-Maheshtala	Integration of Maheshtala underground reservoir with existing water distribution network	1717.00	600.95	600.95

1	2	3	4	5	6	7
75.		Kolkata-Uluberia	10 MGD Water Treatment Plan at Uluberia	4558.00	1595.30	1196.49
76.	18.	Lucknow	Water Supply Works of Lucknow (Phase I Part I VoL I to V)	38861.00	19430.50	17487.46
77.		Lucknow	Water supply for Lucknow(phase-I, part -ii)	14656.60	7328.25	4763.37
78.	19.	Madurai	Water Supply to Madurai Corporation Improvement works & System Improvement (Phase-I and Phase-II)	5931.60	2965.80	2669.22
79.		Madurai	Thirupparankundram municipality DPR for combined water supply scheme to Thiruppakundram municipality and Harveypatty Town Panchayat	969.57	484.79	412.06
80.		Madurai	Anaiyur municipality DPR on Water Supply scheme to Anaiyur municipality	788.00	394.00	354.60
81.		Madurai	Construction of Check Dam at Vaigai river for Madurai	915.00	238.50	155.04
82.		Madurai	Combined Water supply scheme to Madurai Urban Agglomeration Area	20141.00	10070.50	2517.62
83.	20.	Meerut	Water Supply for Meerut	27301.00	13650.00	8872.71
84.	21.	Nagpur	Expansion and Upgradation of water supply distribution network in Nagpur city	3394.87	1697.44	1422.37

85.		Nagpur	Energy Audit Projects for Water Supply	2503.62	1251.81	1126.62
86.		Nagpur	Water Sector (Leak Detection)	278.73	139.37	123.66
87.		Nagpur	Water Audit Projects	2500.00	1250.00	812.50
88.		Nagpur	Lifting water from Pench Reservoir and conveying upto Mahadulla by mortar lined MS pipeline in lieu of canal	14463.70	7231.85	4700.70
89.		Nagpur	Water Supply Pench IV (Part 2)	6196.00	3098.00	1239.20
90.		Nagpur	Water Supply Pench IV (Part 3)	8059.27	4029.64	1611.80
91.		Nagpur	Water Supply Pench IV (Part 4)	10460.68	5230.34	2092.13
92.		Nagpur	Kanhan Augmentation Scheme	8217.00	4108.50	1643.38
93.		Nagpur	Water supply for NIT area (Phase -II) Tertiary Distribution Network in 46 Clusters	29639.55	14819.78	3704.95
94.		Nagpur	Rehabilitation plan to implement 24X7 water supply project for Nagpur under PPP framework	38786.00	19393.00	4848.25
95.	22.	Nashik	Ongoing works of Water Supply Projects	5052.00	2526.00	2252.13
96.	23.	Patna	Improvement and augmentation of water supply system of Patna city	42698.00	21349.00	5337.25

1	2	3	4	5	6	7
97.	24.	Pune PCMC	PCMC-Water Supply proposals (4 Nos.) for Pimpri Chinchwad	35862.00	17931.00	13448.25
98.		Pune PCMC	PCMC - Water Supply Phase-II	13511.82	6755.91	6080.33
99.	25.	Rajkot	Water Supply Project for Rajkot	8562.00	4281.00	4280.00
100.	26.	Surat	Water Supply Project for Vesu Urban Settlement of Surat Urban Development Authority	1919.00	959.50	959.50
101.		Surat	Water Supply Project for Pal-Palanpur Area	995.00	497.50	497.50
102.		Surat	Augmentation of Sarthana, Katargam and Rander Water Works of SMC	14068.65	7034.33	7034.33
103.		Surat	Water Supply system for New East Zone areas of Surat Municipal Corporation	16743.43	8371.71	6278.82
104.		Surat	Water Supply Distribution system for South-East Zone areas	20109.67	10055.00	4022.23
105.	27.	Vadodara	Water Supply Source augmentation	4105.00	2052.50	2052.52
106.		Vadodara	Source augmentation for water supply (Canal Based) Vadodara (Gujarat) Phase -II	3839.00	1919.00	767.93

107.		Vadodara	Basic Services to developing rehabilitation of Kaans in Vadodara city (a) storm Water drainage sector (b) water supply sector	16789.88	8394.94	2098.73
108.		Vadodara	Supplementary DPR for Water Supply in Ajwa Zone of Vadodara City	2059.26	605.50	151.37
109.	28.	Varanasi	Water Supply Component Priority of Varanasi	11102.00	5551.00	4995.90
110.		Varanasi	Water Supply Part-II of C-s-Varuna Area	8610.00	4305.00	1722.00
111.		Varanasi	Water Supply Component (priority-II) for Trans-Varuna Area of Varanasi City	20916.00	9000.00	3600.00
112.	29.	Vijayawada	Providing Water Supply facilities in unserved areas	3548.00	1774.00	1598.10
113.		Vijayawada	Augmentation of water supply utility in Vijayawada Municipal Corporation	7231.00	3615.50	3253.97
114.	30.	Vishakhapatnam	Providing Water supply pipe line from TSR to Yendada and to Kommadi junction for augmenting water supply	2340.00	1170.00	1053.00
115.		Vishakhapatnam	DPR for replacement of existing Thatipudi pipeline from Thatipudi reservoir to town service reservoir and pumping units	6228.00	3114.00	2803.10

1	2	3	4	5	6	7
116.		Vishakhapatnam	Augmentation of Water Supply to Gajuvaka Area	3976.00	1988.00	1292.20
117.		Vishakhapatnam	Providing water supply distribution system to Gajuwaka area of GVMC (Phase II)	4600.00	2300.00	1495.00
118.		Vishakhapatnam	Augmentation of Drinking water supply to peripheral areas	24074.00	12037.00	7824.05
119.		Vishakhapatnam	Refurbishment of comprehensive Water Supply in North Eastern Zone in Central Area of Greater Vishakhapatnam Municipal Corporation	19018.00	9509.00	3803.60
120.		Vishakhapatnam	Comprehensive Water Supply proposed in Old city of Greater Vishakhapatnam	4793.48	2396.74	958.68
			Total	1611947.61	692810.98	400778.00