

Water

Selected State-wise Approved Cost and Release of Funds for Water Supply Schemes under Non-Lapsable Central Pool Resource (NLCPR) to North Eastern States (NE) in India (2006-2007 and 2007-2008):

(Rs. in Crore)

| Project/Scheme | Approved Cost | Total Release |
|--|---------------|---------------|
| 2006-07 | | |
| Arunachal Pradesh | | |
| Improvement and Extension of Water Supply at Lumla Township | 4.88 | 3.14 |
| Potable Drinking Water Supply Scheme for the Villages of Sille, Rani, Sikabamin, Sika Tode, Oyan at Sile | 17.42 | 5.49 |
| Assam | | |
| Dhubri Town Water Supply Scheme | 10.27 | 3.23 |
| Greater Mahur Water Supply Scheme | 5.12 | 1.61 |
| Bheragaon Piped Water Supply Scheme (BTC Area) | 2.46 | 1.09 |
| Udalguri Piped Water Supply Scheme (BTC Area) | 5.34 | 2.29 |
| Uttarpar Piped Water Supply Scheme (BTC Area) | 8.64 | 3.70 |
| Meghalaya | | |
| Nongpoh Urban Water Supply Scheme | 17.47 | 5.50 |
| Sikkim | | |
| Augmentation of Water Supply for Greater Rangpo in East Sikkim | 16.99 | 14.85 |
| Water Supply Scheme from Chakmakey and Ringyang under Soreng Sub-Division | 8.75 | 7.67 |
| Total | 97.34 | 48.57 |
| 2007-08 | | |
| Arunachal Pradesh | | |
| Providing/Augmentation of Water Supply facilities to all the Administrative HQs. and its Villages under 14th Doimukh Assembly Constituency | 12.77 | 4.00 |
| Assam | | |

| | | |
|---|---------------|--------------|
| Sibsagar Town Water Supply Scheme | 16.39 | 5.00 |
| Golaghat Town Water Supply Scheme | 5.05 | 1.53 |
| Manipur | | |
| Augmentation of Konthoujam Water Supply Scheme (Imphal West District) | 8.86 | 2.74 |
| Augmentation of Water Supply Scheme at Purul Sub Division HQ | 4.29 | 1.32 |
| Augmentation of Water Supply Scheme at Tungjoy | 2.16 | 0.68 |
| Augmentation of Water Supply Scheme at Unopat and surrounding villages | 2.97 | 0.00 |
| Mizoram | | |
| Lower Sakawrdai Water Supply Scheme | 1.34 | 0.41 |
| Nagaland | | |
| Augmentation of water supply at Chen EAC H.Q. Chenwatnyu Village | 3.00 | 0.86 |
| Sikkim | | |
| Construction of Rain Water Harvesting structure at Rabdentse in West Sikkim | 4.62 | 1.45 |
| Augmentation of Water Supply for Sang Naya Bazar in East Sikkim | 2.01 | 0.62 |
| Rhenock Water Supply Scheme in East Sikkim | 16.27 | 5.00 |
| Tripura | | |
| Water Supply Scheme at Bishalgarh | 7.81 | 2.46 |
| Water Supply Scheme at Jatanbari-Nutanbazar | 5.21 | 1.64 |
| Water Supply Scheme at Melaghar | 8.86 | 2.79 |
| Total | 101.61 | 30.50 |
| <i>Source : Rajya Sabha Unstarred Question No. 3261, dated on 24.04.2008.</i> | | |

State-wise Annual Replenishable Ground Water Resource in India (2008):

(BCM/Year)

| States | Total Annual Replenishable Ground Water Resource |
|-------------------|--|
| Arunachal Pradesh | 2.56 |
| Assam | 27.23 |
| Manipur | 0.38 |
| Meghalaya | 1.15 |
| Mizoram | 0.04 |
| Nagaland | 0.36 |
| Sikkim | 0.08 |
| Tripura | 2.19 |

Note : BCM/Yr : Billion Cubic Metre per Year.

: Totals may not tally due to rounding off.

Source : Central Water Commission, Govt. of India

Major and Medium Rivers:

| Name of River | Name of State | Important Tributaries | Catchment Area (Sq. Km) | Average Annual Runoff (ml-cub-m) | Total Length of the River (km) | Name of Discharge Collection Sites |
|---------------|--------------------------------|--|--|--|--|---|
| Brahmaputra | Assam/ Arunachal Pradesh | Lohit, Dehang, Subansiri, Jiadhal, Kalang, Dibang, Buridehing, Kopili, Dhansiri(s), Sonkosh, Pagladiya, Dikrong, JiaBharali, Jiadhal, Champamati, Beki, Manas, Aie, Rangmadi | 5,80,300 (up to Goalundo in Bangladesh) 4,64,130 at Jogighopa | 4,94,300 (at Pandu) 5,37,000 (at Jogighopa) | 2906 (Up to out fall in Bay of Bengal) | Bechamara, Pandu, Bhurbandha, Panchratna. |
| Subansiri | -do- | Boginadi, Kamala, Chayulchu | 28,200 | 52,705 at 1st dam site | 375 | 1st dam site, Chouldhuwaghat |
| Kopili-kalang | Assam/ Meghalaya | Diyung, Jamuna, Borpani, Kiling, Haria, Misa, Nonoi | 20,068 | 9,023 at Dharamtul | 261 | Dharamtul |
| Dhansiri(s) | Assam/ Nagaland/ Manipur | Diphu, Gelabil, Deopani, Nambor | 10,305 | 6,785 at Numaligarh | 352 | Numaligarh, Golaghat, R.C.C. Bridge |
| Jia-Bharali | Assam/ Arunachal Pradesh | Para, Pachi, Dikrai, Nameri, Pacha, Papu | 10,289 | 28,844 at NT.Road Crossing. | 229 | NT. Road Crossing |

| | | | | | | |
|-------------|---------------------|---|----------|----------------------------------|------|---|
| Jiadhah | -do- | Sidonadi, Sika N, Kumtiya Siri N. | 1,346 | N.A. | 99 | No discharge site |
| Ranganadi | -do- | Niyarpung, Keing, Talo, Kale, Pabha, Singara | 2,941 | 5,286 at Pahumaraghat | 150 | Pahumaraghat, Yazali |
| Buri-Dehing | -do- | Sanglai, Deban, Dirak, Namdapha | 8,730 | 11,906 at Khowang | 360 | Khowang |
| Dikrong | -do- | Pachim N, Beguli N, Kachikata N, Keyate N | 1,528 | 2,538 at Sissa pathar | 145 | Sissapathar |
| Dehang | -do- | Siyom | 2,49,000 | 1,79,000 at 29 th Mile | N.A. | 29 th Mile, Tuting, Yingkiong, Ranaghat, Passighat |
| Lohit | -do- | Delai, Dou, Tidding, Dichu, Satti, Lang, Digaru, Balijan, Kundil, AnoaDehing, Tengapani | 28,280 | N.A. | N.A. | Hayuliang, Mompani, Nepalibasti, Tiding, Brahmakunda, Digarughat |
| Dibang | -do- | Ithun, Emra, Matuntalon, Dri | N.A. | N.A. | N.A. | Christanbasti, Angolin, Munli |
| Sonkosh | -do- | Phochu, Panakha, Raidak | 10,345 | 17,197 at Srirampur | 321 | Jamduar, Srirampur |
| Tipkai | -do- | Hel-longa, Garuphela | 1,744 | 7,685 at Khoraghat | N.A. | Khoraghat |
| Champamati | -do- | Dhalpani, Laopani, Tunia, Bakra | 1,142 | 3,567 at Bahalpur | 100 | Bahalpur, Karigaon |
| Pagladiya | -do- | Mutunga, Nona, Dimla, Chaulkhowa, Baralia, Ghogra | 1,674 | 1,134 at N.T.Road Crossing | 197 | Thulkuchi, Bijalighat, N.T.Road Crossing, Galdighat |
| Puthimari | -do- | Sukla, Sessa | 1,787 | 2,231 at N.H. Crossing | 112 | N.H.Crossing |
| Disang | Assam/ Nagaland | Balama, Demow, Deroi, Tikok, Tissa, Tiratjo | 3,950 | 4,992 at Nangalmara | 230 | Nangalmara |
| Dikhow | Assam/ Nagaland/ | Darika, Namdung, Yungmun, Phonchi | 4,022 | 4,230 at N.H Crossing | 236 | N.H.Crossing |

| | | | | | | |
|---------------------|--------------------------------|---|-------|----------------------------------|------|-----------------------|
| | Arunachal Pradesh | | | | | |
| Jhanji | Assam/ Nagaland | Muning N, Tori N, Teok | 1,349 | 783 at N.H.Bridge | 108 | N.H.Bridge |
| Kulsi- Deosila | Assam/ Meghalaya | Krishniya, Umsiri, Boko, Batha, Singra, Marki | 3,770 | 2,318 at Ukium | 220 | Ukium, N.H.Bridge |
| Dudhnoi Krishnai | -do- | Rongre, Chidrang, Rongma, Chil | 1,615 | 1,249 at N.H. Crossing | 105 | N.H.Crossing |
| Jinjiram | -do- | Ajagaur-Ghagowa, Rongai, Kallo, Daru | 3,467 | 1702 at Rongsai | N.A. | Rongsai |
| Godadhar | Assam | Silai | 610 | 730 at Moterjhar | N.A. | Moterjhar, Targhat |
| Barnadi | Assam/ Bhutan | Barnadi, Kalpani, Dimla | 730 | 405 at N.T.Road Crossing | 112 | N.T.Road Crossing |
| Noa Nadi | -do- | Batiamari, Mongaldoi N,Lakshimijuli | 745 | 279 at N.T.Road Crossing | 103 | N.T.Road Crossing |
| Tangani | -do- | Angara N, Khourang N | 237 | 352 at Computed | 75 | No Discharge Site |
| Dhansiri(N) | Assam/ Arunachal Pradesh | Betali N, Ajarar, Mora, Dhansiri | 956 | 2,295 at N.T Road Crossing | 76 | N.T Road Crossing |
| Belsiri | -do- | Dherai, Garjuli, Sapaigarmanjuli | 751 | 728 at N.T Road Crossing | N.A. | N.T Road Crossing |
| Gabharu | -do- | Sonai, Rupali, Gelgeli | 296 | 1,026 at N.T Road Crossing | N.A. | N.T Road Crossing |
| Bargang | -do- | Tonga, Jinjia, Sukhahauti, Namorah, Gangtung | 550 | N.A. | 42 | N.H.Crossing |
| Buroi | -do- | Gira N, Dalang, Heka, Bihmari | 791 | 179 at N.H. Crossing | 63 | N.H.Crossing |
| Ghiladhar i | -do- | Monai N, Dirring, Majuli, Chnota, Ghiladhari | 670 | 196 at N.H Crossing | 61 | N.H.Crossing |
| Brahmaja n | -do- | Tupung N, Kehuri N, Chengelijan | 92 | 164 Comuted | 28 | No Discharge Site |
| Moridhal | -do- | Sisi, Kanibil N Lalpulua N | 929 | N.A. | 123 | No Discharge Site |

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|---------|---------------------|--|-----------------|---------------------------------|------|---|
| Depota | Assam | Bindukuri, Borjuli, Bimlajan, Ghagra N | 296 | 159 at N.T.Road Crossing | 46 | N.T.Road Crossing |
| Bhogdoi | Assam/ Nagaland | No Tributaries | 920 | 698 at N.H. Crossing | 160 | N.H.Crossing |
| Bharalu | Assam/ Meghalaya | No Tributaries | 469 | N.A. | 40 | N.H-37 Crossing |
| Jinary | -do- | Rongkhati, Nabang | 594 | 617 at Balbala | 60 | Balbala |
| Gaurang | Assam/ Bhutan | Samukha, Tarang | 1,023 | 4,312 at Bamungaon N.H.Crossing | N.A. | Bamungaon N.H.Crossing, Kokrajhar Rly. Bridge |
| Gumti | Tripura | Sarma chhera, Malik chhera, Maharani chhera, San gang, Ganga chhera | 2,492 Sonamura | 2,748 at Sonamura | 167 | Sonamura, Udaipur |
| Manu | -do- | Dep R, Chamanu chhera, Chailengtha chhera, Kanan chhera, Lakhmi chhera, Madhal chhera | 2,278 Kailashar | 2,273 at Kailashar | 140 | Kailashar, Kumarghat |
| Haora | -do- | Donaigaon, Ghoramora, Debtasang, Champanadi, Debatila chhera | 488 Bordwali | 200 at Bardwali | 53 | Bardwali |
| Burima | -do- | Rangpani chhera | 414 Bishalgarh | 98 at Bishalgarh | 54 | Bishalgarh |
| Khowai | -do- | Balu chhera, Jeel chhera, Chamal chhera, Ahiadia chhera, Bhaskar chhera, Maharani chhera, Trirupa chhera, Samru chhera, Lal chhera | 1,328 Khowai | 862 at Khowai | 166 | Khowai |
| Dhalai | -do- | Bahuri chhera, Chandrai chhera, Sofema chhera, Tamthung chhera, Surma chhera, Kulai chhera, Dalu chhera, Nali chhera | 630 at Kamalpur | 540 at Kamalpur | 117 | Kamalpur |
| Juri | -do- | Deo chhera, Kakri | 482 at | 155 at Radhapur | 79 | Radhapur |

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|-------|--|--|----------------------------------|------------------------|-----|--|
| | | chhera, Lal chhera, Bali chhera, Hakai N, Lchailal chhera | Radhapur | | | |
| Barak | Assam/ Nagaland/ Manipur/ Mizoram | Irang, Makru, Tuivai, Jiri, Sonai, Chiri, Madhura, Jatinga, Ghagra, Dhaleswari, Singla, Longai | 26,193 at Indo-Bangladesh border | 29,056 at Badarpurghat | 900 | Tipaimukh, Lakhipur, Bhubandhar, Annapurnaghat, Badarpurghat |

State wise Availability of Surface Water and its Accessibility in the North Eastern Region:

| River | Total Catchment Area (Sq.Km) | Catchment inside States (Sq.Km) | | | | | | | Total Yield (Mcum) |
|----------------|------------------------------|---------------------------------|-----------|-------|-----------|----------|---------|---------|--------------------|
| | | | Arunachal | Assam | Meghalaya | Nagaland | Manipur | Tripura | |
| Brahmaputra | 464130 | 81424 | 70634 | 11667 | 10803 | - | - | - | 537000 |
| Subansiri | 28200 | 15800 | 1200 | - | - | - | - | - | 52705 |
| Kopili-Kalang | 20068 | Statewise CA Not Available | | | | | | | 9023 |
| Dhansiri(S) | 10305 | | | | | | | | 6785 |
| Jia-Bhoroli | 19289 | 9360 | 929 | - | - | - | - | - | 28844 |
| Jiadhal | 1346 | 306 | 1040 | - | - | - | - | - | NA |
| Ranganadi | 2941 | 2241 | 700 | - | - | - | - | - | 5286 |
| Burhi-Dihing | 8730 | Statewise CA Not Available | | | | | | | 11906 |
| Dikrang | 1528 | 1276 | 252 | - | - | - | - | - | 2538 |
| Dihang | 249000 | Statewise CA Not Available | | | | | | | 179000 |
| Lohit | 28280 | | | | | | | | NA |
| Dibang | NA | | | | | | | | NA |
| Beki-Manas-Aie | 41350 | | | | | | | | 2925 |
| Sonkosh | 10345 | - | 785 | - | - | - | - | - | 17197 |
| Titkai | 1744 | - | 1572 | - | - | - | - | - | 7685 |

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|---------------------|------|----------------------------------|------|------|------|---|---|---|------|
| Champama ti | 1142 | - | 1005 | - | - | - | - | - | 3567 |
| Pagladia | 1674 | - | 1251 | - | - | - | - | - | 1134 |
| Puthimari | 1787 | Statewise CA Not Available | | | | | | | 2231 |
| Disang | 3950 | - | 2146 | - | 1804 | - | - | - | 4992 |
| Dikhow | 4022 | 47 | 928 | - | 2521 | - | - | - | 4230 |
| Jhanji | 1349 | - | 476 | - | 873 | - | - | - | 783 |
| Kulsi- Deosila | 3770 | - | 1595 | 2175 | - | - | - | - | 2318 |
| Dudhnoi- Krishna | 1615 | Statewise CA Not Available | | | | | | | 1249 |
| Jinjiram | 3467 | - | 975 | 2492 | - | - | - | - | 1702 |
| Gadadhar | 610 | - | 610 | - | - | - | - | - | 730 |
| Bornodi | 739 | - | 612 | - | - | - | - | - | 405 |
| Noanadi | 745 | - | 651 | - | - | - | - | - | 279 |
| Thangani | 237 | - | 191 | - | - | - | - | - | 352 |
| Dhansiri(N) | 956 | 230 | 623 | - | - | - | - | - | 2295 |
| Belsiri | 751 | 170 | 581 | - | - | - | - | - | 728 |
| Gabhoru | 296 | 58 | 238 | - | - | - | - | - | 1026 |
| Borgang | 550 | 350 | 200 | - | - | - | - | - | NA |
| Buroi | 791 | 654 | 137 | - | - | - | - | - | 179 |
| Ghiladhari | 670 | 619 | 51 | - | - | - | - | - | 196 |
| Brahmajan | 92 | 25 | 67 | - | - | - | - | - | 164 |
| Moridhal | 929 | 128 | 801 | - | - | - | - | - | NA |
| Depota | 296 | - | 296 | - | - | - | - | - | 159 |
| Bhogdoi | 820 | - | 286 | - | 534 | - | - | - | 698 |
| Bhorolu | 469 | - | 414 | 55 | - | - | - | - | NA |
| Jinary | 594 | - | 183 | 411 | - | - | - | - | 617 |

| | | | | | | | | | |
|---------|-------|---|------|---|-----|------|------|------|------|
| Gourang | 1023 | - | 834 | - | - | - | - | - | 4312 |
| Gomti | 2492 | - | - | - | - | - | 2492 | - | 2748 |
| Manu | 2278 | - | - | - | - | - | 2273 | - | 2273 |
| Haora | 488 | - | - | - | - | - | 200 | - | 200 |
| Burima | 414 | - | - | - | - | - | 414 | - | 98 |
| Khowai | 1328 | - | - | - | - | - | 1328 | - | 862 |
| Dhalai | 630 | - | - | - | - | - | 630 | - | 540 |
| Juri | 482 | - | - | - | - | - | 482 | - | 155 |
| Barak | 26193 | - | 6562 | - | 728 | 9567 | - | 8585 | - |

Data Source: Office of the C. E. (P & D), Brahmaputra Board, Basistha, Guwahati-781 029, Assam