

Namami Ganga- Forestry Interventions for Clean Ganga

Project Executive Summary for the State of West Bengal

Ministry of Water Resources, River Development & Ganga Rejuvenation, Govt. of India launched “National Mission for Clean Ganga” (NMCG) popularly called “NamamiGangeYojana”. ‘Forestry Interventions for Clean Ganga’ (FIG) is part of NamamiGangeYojana and is being implemented in Ganga River Basin, comprising of five states, the state of West Bengal being one of them. In the broad sense, the proposed Implementations aims to contribute towards clean Ganga, particularly AviralDhara and NirmalDhara, besides maintenance of ecological and geological integrities.

Vision: Biodiversity of the Ganga River ecosystem is valued, conserved, restored, and wisely used while ensuring ecosystem integrity, maintaining ecosystem services and healthy river (AviralDhara and NirmalDhara) and delivering benefits essential for all life forms.

Mission: Accomplish the above vision by adoption of multi-focal strategies and implementation of appropriate, effective and urgent actions for rejuvenation and conservation of the Ganga River ecosystem. For this, pursue five strategic priorities: (a) address drivers of environmental degradation and biodiversity loss, (b) adopt integrated solutions, (c) enhance resilience and adaptation, (d) build alliances and foster synergies, and (e) adopt right models and interventions and achieve reduced pressure on biodiversity, restore ecosystems, promote sustainable use of biological and water resources, enhance capacities, mainstream biodiversity, augment policy and law support, and facilitate science based efficient decision making.

Goals: In light of the above and in conformity with global and national level priorities, commitments, strategies, agendas and approaches, the Implementation Plan on forestry interventions seeks to address the following focal areas or goals in an integrated manner.

- (a) **Sustainable Land and Ecosystem Management:** To promote an integrated approach for sustainable management of land, forests, grasslands, wetlands and the Ganga and its tributaries by establishing upstream-downstream linkages and ensuring longitudinal, horizontal, and lateral connectivity of the river besides enhanced e-flows.
- (b) **Biodiversity Conservation:** To address the drivers and stressors of biodiversity loss so as to reduce adverse pressure on biodiversity and restore, rehabilitate, mainstream and promote sustainable use by balancing ecological needs with livelihood needs.
- (c) **Enhanced benefits from improved Ecosystem Services and ensure Livelihood:** To enhance ecosystem services and ensure sustainable livelihoods.
- (d) **Effective Implementation, Enhanced Participation and Capacity:** To develop a knowledge management centre and adopt innovative approaches for bio-filters and bioremediation, and modern technology for effective implementation, coordination, monitoring and evaluation.

FIG: Program for West Bengal

Under Forestry Interventions for Clean Ganga, in the state, 5 kms on either side of main course of Ganga (538 kms.) and 2 kms on either side of 7 major tributaries – Ajoy, Bansloi, Damodar, Dwarakeshwar, Kangsabati, Mahananda & Mayurakshi are proposed to be treated. Area of the river scape is 18442 sq.kms. which comprises of 22.77% geographical area of the state. The project is proposed for a period of 10 years and the phase - 1 is proposed to be for 5 years starting from 2016-17.

Institutional and Implementation Arrangements at National and State Level

The overall institutional arrangements for the execution of the project are based on implementation and monitoring at the national, river-scape, state and community levels. The nodal ministry (MoWR, RD & GR), provides overall policy guidance and supervision for the project. The PMU at the NMCG will be responsible for overseeing and coordinating the implementation of the project.

For the state of West Bengal, an outlay of Rs.53827.84 Lakhs is tentatively approved in the DPR. Twenty two (22) forest divisions in eleven (11) districts of the states will be covered under the project. Major landscapes to be treated under the scheme are:

- A1. **Natural Landscape:** Forests under Ganga River Basin will be treated with five types of plantations- in the hills of North, plains of South Bengal and Sunderbans. In addition, river bank afforestation of approximately 500 Kilometres is proposed to be taken up along the river course. Regeneration of degraded forests and control of invasive species in natural landscape are the other major interventions in this landscape.

The treatment has 5 plantation models- Miscellaneous Plantations in Hills (610 hac), Grass & Tree Plantation in Hills (1000 hac), Bamboo Under-planting (1000 hac), Sal & Associate Planation in South (176 Hac) and QGS Plantation (1731.40Hac). It has two silvi-cultural treatment models- RDF (5000 hac) and Multiple Shoot Cutting (5000 hac). River Bank Afforestation (500 hac) and Mangrove Afforestation (4365 hac) are also included in the scheme.

- A2. **Agricultural Landscape:** Under this programme, saplings of fruit and forest species are proposed to be planted in the private fields along with river course. Free samplings and part re-imburement of planting expenses over 4200 hac is proposed to be provided under the scheme.

- A3. **Urban Landscape:** 1 to 2 kms of river stretch of some of the 70 towns along the priority river zone will be taken up for river front beautification. Avenue plantations on town roads and institutional plantations are also proposed under the scheme. Eco Park Development (50 hac), Institutional Plantations (2700 hac) and Avenue Plantations (500 hac) are included in the scheme.

- B1. **Conservation interventions:** Soil & Moisture Conservation in the forest areas are proposed to be taken up under the scheme. Several conservation initiatives are proposed in Sunderbans under this model.
- C. **Support activities:** Under this section, capacity building of GIS & MIS, capacity building of implementing agencies and awareness campaign of general public through publicity are proposed. The scheme provides funding for establishment & maintenance of State Project Management Unit.

The DPR of the scheme was launched by Hon'ble Union Minister, MoWR, RD & GR and Hon'ble Union Minister, Environment, Forest and Climate Control on 22nd March, 2016 at New Delhi. The National Mission for Clean Ganga (NMCG), the nodal agency for the program, vide its letter dated 06.05.2016 has requested to constitute committees as recommended in the DPR.

FIG- State Project Steering Committee:

Forestry Interventions for Clean Ganga involves interventions in natural, agricultural and urban landscapes. For successful implementation of scheme, co-operation and active participation of several departments of the state, including Forest, Environment, Urban Development, Rural Development, Irrigation & Horticulture is required. For better coordination amongst the concerned departments, a 'State Level Steering Committee' is constituted with Chief Secretary, Govt. of West Bengal as Chairman and other concerned Secretaries and Senior officials of Forest Directorate as members.

At functional level, "State Project Management Unit - Forestry Interventions for Clean Ganga (SPMU-FIG)" has been constituted with PCCF HoFF as Chairman and other PCCFs and senior officers as members.

Annual Plan of Operations, 2016-17:

For the financial year 2016-17, NMCG has sanctioned Rs.11.16 Crs. for creation of plantation over 830 hectares.

Works are under implementation in the districts of Bankura, Birbhum, Burdwan, Purulia, Howrah, Malda, Uttar Dinajpur and City of Kolkata including Rajarhat. The plantations at New Town-Rajarhat area, Howrah Police Commissionerate, Urban Eco Park, Indian Institute of Engineering, Science & Technology, Shibpur have been completed.

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ANNEXURE - C

Government of West Bengal
Department of Forests,
For Branch,
Aranya Bhavan, Block-LA, 10-A, Sector-III, Salt Lake City,
Kolkata-700 098

No. 2181-For/P/11S-05/2016

Kolkata, the 12th August, 2016

NOTIFICATION

For successful implementation of the scheme "Forestry Interventions for Clean Ganga" under "Namami Gange" Yojana the Governor is hereby pleased to constitute a 'Forestry Interventions for Clean Ganga-State Level Programme Steering Committee (FIG-SPSC)' with the following members:-

- | | |
|---|------------------------|
| 1) The Chief Secretary | Chairperson |
| 2) The Principal Secretary/Addl. Chief Secretary,
Irrigation & Waterways Deptt. | Member |
| 3) The Principal Secretary, Deptt. of Forests | Member & Vice Chairman |
| 4) The Principal Chief Conservator of Forests (HoFF) | Member |
| 5) The Principal Secretary, Panchayat & Rural Development Deptt. | Member |
| 6) The Secretary, Food Processing Ind. & Horticulture Deptt. | Member |
| 7) The Principal Secretary, Urban Development &
Town and Country Planning Deptt. | Member |
| 8) The Principal Secretary, Environment Deptt. | Member |
| 9) The Principal Chief Conservator of Forests (General) | Member |
| 10) The Principal Chief Conservator of Forests (R.M.&D)) | Member |
| 11) The Principal Chief Conservator of Forests (Wildlife) | Member |
| 12) The Addl. Principal Chief Conservator of Forests (Finance) | Member & Convener |

The functions of State Programme Steering Committee (SPSC) are to:

- 1) Meet at least twice in a year.
- 2) Approve the Annual Plan of Operations of the scheme.
- 3) Approve the structure for interdepartmental co-ordination.
- 4) Adopt annual accounts of State Project Management Unit (SPMU)

Sd/- C. Sinha

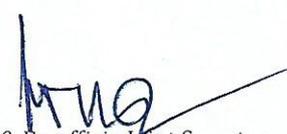
Principal Secretary to the Govt. of West Bengal

No. 2181/1(12)-For

Kolkata, the 12th August, 2016

Copy forwarded for information and necessary action to:

- 1) The Chief Secretary, Govt. of West Bengal.
- 2) The Principal Secretary, Irrigation & Waterways Deptt.
- 3) The Principal Secretary, Deptt. of Forests.
- 4) The Principal Chief Conservator of Forests (HoFF).
- 5) The Secretary, Food Processing Ind. & Horticulture Deptt.
- 6) The Principal Secretary, Urban Development & Town and Country Planning Deptt.
- 7) The Principal Secretary, Environment Deptt.
- 8) The Principal Chief Conservator of Forests (General).
- 9) The Principal Chief Conservator of Forests (R.M.&D).
- 10) The Principal Chief Conservator of Forests (Wildlife).
- 11) The Addl. Principal Chief Conservator of Forests (Finance).
- 12) The P.S. To Hon'ble MIC, Deptt. of Forests.


O.S.D. & Ex-officio Joint Secretary

for
16/8

125 (53)

ANNEXURED - D

Government of West Bengal
Department of Forests,
For Branch,
Aranya Bhavan, Block-LA, 10-A, Sector-III, Salt Lake City,
Kolkata-700 098

No. 2180-For/P/11S-05/2016

Kolkata, the 12th August, 2016

NOTIFICATION

The Governor is hereby pleased to constitute 'State Project Management Unit-Forestry Interventions for Clean Ganga (SPMU-FIG)' with the following members to deal with the matters relating to implementation of the scheme "Forestry Interventions for Clean Ganga" in West Bengal.

- | | |
|--|------------------|
| 1) The Principal Chief Conservator of Forests (HoFF) | Chairman |
| 2) The Principal Chief Conservator of Forests (General) | Vice Chairman |
| 3) The Director, NMCG or his nominee | |
| 4) The Principal Chief Conservator of Forests (Wildlife) | |
| 5) The Principal Chief Conservator of Forests (R.M. & D.) | |
| 6) The Addl. Principal Chief Conservator of Forests, Finance | Project Director |
| 7) The Chief Conservator of Forests, finance | |
| 8) The Chief Conservator of Forests, SDP | |
| 9) The Managing Director, WB Wasteland Development Corporation Ltd. | |
| 10) The Director, Indian Institute of Technology (IIT), Kharagpur or his nominee | |
| 11) The Director, Forest Research Institute (FRI), Dehradun or his nominee | |
| 12) The Director, WII, Dehradun or his nominee | |
| 13) The Director, Zoological Survey of India or his nominee | |

The functions of State Project Management Unit (SPMU) are to:

- 1) Approve the Executive Structure of SPMU;
- 2) Approve the fund flow mechanism of the project;
- 3) Meet at least once in two months for program review;
- 4) Scrutinize and recommend Annual Plan of Operation (APO);
- 5) Monitor the Physical & Financial progress of the schemes.
- 6) Approve research & monitoring programmes under the scheme;
- 7) Approve methodology for implementation of components;
- 8) Provide guidance and approval of changes in policies, rules, regulations and other such aspects for efficient working of the SPMU; and,
- 9) To induct invitee members to the SPMU as and when required.

Sd/- C. Sinha

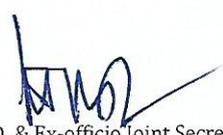
Principal Secretary to the Govt. of West Bengal

No. 2180/1(11)-For/P/11S-05/2016

Kolkata, the 12th August, 2016

Copy forwarded for information and necessary action to:

- 1) The Principal Chief Conservator of Forests (HoFF).
- 2) The Principal Chief Conservator of Forests (General).
- 3) The Principal Chief Conservator of Forests (R.M. & D.).
- 4) The Principal Chief Conservator of Forests (Wildlife).
- 5) The Addl. Principal Chief Conservator of Forests (Finance).
- 6) The Managing Director, WB Wasteland Development Corporation Ltd.
- 7) The Director, Indian Institute of Technology (IIT), Kharagpur.
- 8) The Director, Forest Research Institute (FRI), Dehradun.
- 9) The Director, WII, Dehradun.
- 10) The Director, Zoological Survey of India.
- 11) The P.S. to Hon'ble MIC, Deptt. of Forests.


O.S.D. & Ex-officio Joint Secretary

Forestry Interventions for Clean Ganga (Namami Gange) in West Bengal

(15.11.2017)

Annual Plan Of Operations 2018-19

Against the On going scheme of 2016-17		Sr.No	Component/Activity	Sr. No.	Sub Heading	Activities	Nature	Hac	Rate (Rupees)	(Rs.in Lacs)		
A.	Plantations & Treatment Models	A1	Natural Landscapes	NL/P/13- QGS Plantation			1st Year Maintainance	125.00	16952	2119000		
				NL/P/16 - River Bank Afforestation				83	16952	1399388		
		A3	Urban Landscapes	UL/I/01- Institutional Plantation				118.00	16952	2000336		
				UL/A/01- Avenue Plantation				205	16952	3475160		
				UL/E/01- Eco Plantation				49	16952	830648		
		Total			580			9824532				
		Against the On going scheme of 2017-18		A.	Plantations & Treatment Models	A1.	Natural Landscapes	NL/H/12- Misc. Plantation			Creation (Balance)	35
NL/P/13- QGS Plantation			Creation					569.15	43286	24636227		
NL/P/16 - River Bank Afforestation			Creation (Balance)					33	23286	768438		
A3	Urban Landscapes	UL/I/01- Institutional Plantation				1st year Maintainance	117.03	16952	1983893			
		UL/A/01- Avenue Plantation				1nd year Maintainance	157	16952	2661464			
Total			911		30865031							
Sr.No	Component/Activity	Sr. No.	Sub Heading	Activities	Nature	Hac	Rate (Rupees)	(Rs.in Lacs)				
or 2018-19	A.	A1.	Natural Landscapes	NL/H/12- Misc. Plantation		Advance	37	16903	625411			
						Creation (Part)	37	20000	740000			
				NL/P/13- QGS Plantation		Advance	471.65	16903	7972300			
						Creation (Part)	471.65	20000	9433000			
				NL/P/16 - River Bank Afforestation		Advance	16	16903	270448			
						Creation (Part)	16	20000	320000			

Answer - D

FORESTRY INTERVENTION FOR CLEAN GANGA - WEST BENGAL (APO 2018-19)

NL/H/12 - Misc. Plantation.

Sl no	District	Division	Name of the Site	Area (in Ha.)	Coordinates	
1	Darjeeling	Kurseong	Shivkhola Forest Block	5	N 26°52'07.64"	E 88°18'56.04"
			Paglajhora Forest Block	5	N 26°52'45.43"	E 88°17'50.86"
			Mana Forest Block	5	N 26°53'08.00"	E 88°24'05.04"
			Lamagumba Forest Block	5	N 26°49'03.38"	E 88°18'51.44"
			Lower Babukhola Forest Block	5	N 26°55'01.75"	E 88°19'21.56"
			Upper Babukhola Forest Block	5	N 26°55'29.81"	E 88°19'11.72"
2	Darjeeling	Darjeeling	Reyang 2 to 5	5	N 27°00'70.07"	E 88°26'32.09"
					N 26°59'11.7"	E 88°25'02.1"
			Hum-2	2	N 27°01'989"	E 88°21'023"
					N 27°00'382"	E 88°23'381"
Total				37		

Project Director, SPMU, West Bengal
Namami Gange

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FORESTRY INTERVENTION FOR CLEAN GANGA - WEST BENGAL (APO 2018-19)

NL/P/13 - QGS Plantation.

Sl no	District	Division	Name of the Site	Area (in Ha.)	Coordinates	
1	Birbhum	Birbhum	Range - Dubrajpur, Beat - Khairasole, Rajanpur	15	N 23° 43' 45.81"	E 87° 17' 52.41"
			Range - Dubrajpur, Beat - Khairasole, Parulbona	20	N 23° 43' 23.65"	E 87° 19' 42.00"
2	Purba Bardhaman	Burdwan	Range - Panagarh, Beat - Kasba, Kasba	15	N 23° 20.312'	E 87° 31.361'
			Range - Durgapur, Beat - Shibpur, Kajaldihi	15	N 23° 37' 18.04"	E 87° 23' 19.00"
3	Paschim Bardhaman	Durgapur	Range - Asansole, Beat - Hadla, Hadla	5	N 23° 43' 45.75"	E 86° 50' 04.50"
			Range - Ukhra, Beat - Tilaboni, Dalurbandh	3.5	N 23° 43' 50.07"	E 87° 16' 21.06"
4	Purulia	Purulia	Range - Arsha, Beat - Arsha, Mouja - Torang	13	N 23° 21' 049"	E 86° 08' 593"
			Range - Arsha, Beat - Arsha, Mouja - Rangamati	3.99	N 23° 20' 857"	E 86° 10' 725"
			Range - Arsha, Beat - Arsha, Mouja - Goradag	9.16	N 23° 19' 892"	E 86° 15' 173"
			Range - Arsha, Beat - Sirkabad, Mouja - Sirkabad	26	N 23° 15' 726"	E 86° 11' 698"
			Range - Joypur, Beat - Talmu, Mouja - Ball	20	N 23° 29' 784"	E 86° 03' 631"
			Range - Joypur, Beat - Talmu, Mouja - Bandigri	10	N 23° 32' 807"	E 86° 07' 473"
			Range - Arsha, Beat - Arsha, Mouja - Manpur	10	N 23° 19' 052"	E 86° 12' 121"
			Range - Arsha, Beat - Arsha, Mouja - Kanchanpur	20	N 23° 18' 575"	E 86° 12' 255"
			Range - Arsha, Beat - Sirkabad, Mouja - Satra	11	N 23° 17' 356"	E 86° 17' 392"
5	Purulia	Kangsabati North	Bhalumara	20	N 23° 19' 36.05"	E 86° 18' 46.02"
			Jambad	20	N 23° 17' 19.07"	E 86° 27' 17.08"
			Bagalia	20	N 23° 28' 32.08"	E 86° 22' 37.09"
			Chelyama	7	N 23° 37' 39.07"	E 86° 34' 26.00"
			Keliasota	8	N 23° 40' 26.00"	E 86° 45' 46.07"
			Gopalpur	20	N 23° 26' 22.01"	E 86° 38' 46.06"
			Manpur	15	N 23° 17' 19.03"	E 86° 35' 45.01"
			Garubasa	10	N 23° 20' 24.01"	E 86° 37' 26.06"
			Gudlubari	15	N 23° 19' 44.09"	E 86° 33' 30.00"
			Kulabahal	10	N 23° 17' 59.01"	E 86° 32' 33.03"
			Jambad	30	N 23° 11' 31.05"	E 86° 34' 03.09"
			Chandatiri	10	N 23° 14' 10.06"	E 86° 32' 40.02"
			Hariharpur	15	N 23° 12' 22.06"	E 86° 32' 01.06"
			Panura	20	N 23° 13' 11.08"	E 86° 27' 59.07"

FORESTRY INTERVENTION FOR CLEAN GANGA - WEST BENGAL (APO 2018-19)

NL/P/13 - QGS Plantation.

Sl no	District	Division	Name of the Site	Area (in Ha.)	Coordinates	
5	Purulia	Kangsabati North	kenda	10	N 23° 11' 13.08"	E 86° 31' 23.04"
			Gholkure	10	N 23° 11' 63.05"	E 86° 31' 40.00"
			Agoya	10	N 23° 13' 61.03"	E 86° 42' 69.07"
6	Bankura	Bankura South	Range - Simlapal, Beat - Simlapal, Mouja - Memoli, JL - 97	10	N 22° 56' 44.5"	E 87° 02' 25.7"
7	Bishnupur	Panchet	Range - Joypur, Mouza - Jangalmahal	15	N 23° 04' 36.9"	E 87° 23' 29.1"
Total				471.65		


 Project Director, SPMU, West Bengal
 Namami Gange

FORESTRY INTERVENTION FOR CLEAN GANGA - WEST BENGAL (APO 2018-19)

NL/P/16 - River Bank Afforestation.

Sl no	District	Division	Name of the Site	Area (in Ha)	Coordinates	
1	Paschim Medinipur	Kharagpur	Mouza - Kashijora-246, Range - Ghatal SF, Beat - Daspur G.P. ,	4	N 22°35'909"	E 87°53'789"
2	Darjeeling	P&G(North)	Ward No. 3	2	N 26°43'3.5"	E 88°25'33.7"
3	Purulia	Purulia	Range - Kotshila, Beat - Simni, Mouja - Simni	5	N 23°27'541"	E 86°00'344"
					N 23°27'683"	E 86°00'271"
			Range - Kotshila, Beat - Simni, Mouja - Jabar	5	N 23°27'773"	E 86°00'184"
					N 23°28'004"	E 85°59'668"
Total				16		

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Project Director, SPMU, West Bengal
Namami Gange

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FORESTRY INTERVENTION FOR CLEAN GANGA - WEST BENGAL (APO 2018-19)

UL/I/01 - Institutional Plantation.

Sl no	District	Division	Name of the Site	Area (in Ha)	Coordinates	
1	Paschim Bardhaman	Durgapur	Range - Asansole, Beat - Hadla	3	N 23° 47' 48.7"	E 86° 51' 04.9"
2	Purulia	Purulia	Range - Jhalda, Beat - Jhalda, Mouja - Jhalda, Area - Satyabhama Bidyapith	0.5	N 23° 21' 45.472"	E 85° 57' 41.556"
3	24 PGN(North)	25 PGN(North)	Embankment of River Ganga 2.5 Km under Titagarh Municipality	2.5	N 22° 44' 15.67"	E 88° 22' 21.29"
			Ramghat under Naihati Municipality	5	N 22° 53' 33.25"	E 88° 25' 17.30"
			Goyalaghat under Naihati Municipality	3.5	N 22° 53' 32.40"	E 88° 25' 18.30"
			Steel & Metal Factory, Palta Park, Sheorafuly Ghat municipality road under North Barrackpur Municipality	6	N 22° 44' 35.58"	E 88° 21' 27.51"
			Embankment of River Ganga under Garulia Municipality	3.5	N 22° 49' 05.35"	E 88° 21' 47.45"
			Embankment of River Ganga under Panihat Municipality	3.5	N 22° 41' 23.60"	E 88° 22' 14.10"
4	Bankura	Bankura North	Bankura to Chhatna Railway	2	N 23° 17' 25.6"	E 86° 58' 55.03"
			Chhatna to Jhantipahari Railway	2	N 23° 21' 47.01"	E 86° 54' 50.01"
5	Bishnupur	Panchet	Near Kali Sen Railway Station towards Bheduasole railway station	10	N 23° 11' 31.08"	E 87° 08' 30.03"
6	Murshidabad	Nadia-Murshidabad	Lalgola Open Correctional Home	4	N 24.5254°	E 88.2475°
			Raghunathganj High School	0.05	N 24.4632°	E 88.0628°
			Baranagar Rani Bhabani Vidyapith	0.026	N 24.2504°	E 88.2437°
			Hatinagar Sarada Vidyapith	0.033	N 24.1153°	E 88.3081°
			Balipara High School	0.0267	N 24.3497°	E 88.339°
			Sarfia High Madrasa	0.1	N 24.2880°	E 88.2937°
			Jiaganj Raja Bijoy Singh Vidyapith	0.25	N 24.2431°	E 88.2690°
			Barafkhana Tinkori High School	0.03	N 24.1642°	E 88.2882°
			Sekhakupur High School	0.03	N 24.4314°	E 88.2147°
			Fatullapur S M High School [HS]	0.02	N 24.5346°	E 88.0705°
6	Murshidabad	Nadia-Murshidabad	Nagarjole High School [HS]	0.045	N 24.0854°	E 88.3168°
			Raghat Govt, Politechnic College	0.01	N 23.1824°	E 88.5749°
7	Darjeeling	Kurseong	Bagora Air Force Station	2	N 26° 55' 53.90"	E 88° 18' 57.56"

UL/I/01 - Institutional Plantation.

Sl no	District	Division	Name of the Site	Area (in Ha)	Coordinates	
7	Darjeeling	Kurseong	Gomti T.G.	5	N 26°52'58.21"	E 88°19'00.14"
			Mahaldrim T.G.	5	N 26°54'56.45"	E 88°20'51.17"
			Jangpana T.G.	4	N 26°53'48.70"	E 88°19'12.56"
			Shivkhola T.G.	3	N 26°52'00.01"	E 88°19'49.79"
			Rohini T.G.	4	N 26°50'54.29"	E 88°17'20.66"
8	Kolkata	URF	Indian Maritime University, Taratala	1	N 22°51'63.13"	E 88°30'90.32"
			Kalyani Municipality Area	5	Nil	Nil
Total				75.1207		


 Project Director, SPMU, West Bengal
 Namami Gange

FORESTRY INTERVENTION FOR CLEAN GANGA - WEST BENGAL (APO 2018-19)

Sl no	District	Division	Name of the Site	Area (In Km)	UL/A/01 - Avenue Plantation.	
					Coordinates	
1	Paschim Medinipur	Kharagpur	Mouza - Kashijora-246, Range - Ghatal SF, Beat - Daspur G.P., Dhudkamra-14	3	N 22°39'878"	E 87°49'678"
2	Paschim Bardhaman	Durgapur	Range - Asansole, Beat - Hadla	5	N 23° 47' 45.7"	E 86° 50' 04.9"
3	24 PGS(South)	25 PGS(South)	Mouja - Purba Gurguria, GP - Gurguria, Bhubaneswarl GP	10	N 21°59'48.30"	E 88°34'44.2"
					N 21°59'18.01"	E 88°35'08.7"
					N 21°59'52.0"	E 88°34'24.8"
			Surendranagar GP	5	N 21°50'27.05"	E 88°29'24.5"
					N 21°50'30.8"	E 88°29'28.8"
			Bidya River Embankment	15	N 21°50'55.4"	E 88°29'29.4"
					N 21°01'28.2"	E 88°39'52.4"
			Sridharnagar GP	10	N 21°02'47.1"	E 88°42'25.4"
					N 21°43'47.5"	E 88°26'28.3"
					N 21°43'93.2"	E 88°26'64.5"
					N 21°43'35.6"	E 88°26'39.5"
					N 21°43'49.9"	E 88°26'76.5"
					N 21°43'78.1"	E 88°27'10.4"
					N 21°43'74.6"	E 88°27'09.5"
					N 21°43'60.5"	E 88°27'09.2"
					N 21°43'59.4"	E 88°27'16.6"
					N 21°43'36.3"	E 88°27'05.3"
					N 21°43'18.0"	E 88°27'09.7"
					N 21°43'62.7"	E 88°26'98.6"
			Sitarampur (West side of Jagadal River)	5	N 21°37'33.0"	E 88°25'39.8"
N 21°37'13.2"	E 88°25'39.8"					
N 21°37'27.4"	E 88°25'13.2"					
Indrapur Garangheria GP, G Plot	5	N 21°37'27.7"	E 88°24'51.6"			
		N 21°39'11.5"	E 88°23'19.6"			
		N 21°39'16.4"	E 88°23'17.2"			
		N 21°39'31.3"	E 88°23'13.2"			
4	Purulia	Purulia	Range - Ajodhya, Beat - Ranga, Mouja - Teliabasa	5	N 23°14'462"	E 86°04'200"
			Range - Ajodhya, Beat - Ranga, Mouja - Hesadi	6	N 23°16'176"	E 86°05'791"
5	Bankura	Bankura North	Allakandi to Salboni Road Side	2	N 23°14'58.7"	E 87°01'55.8"
			Keshra to Gourandi More Road side	2	N 23°15'06.2"	E 87°01'36.8"

UL/A/01 - Avenue Plantation.							
Sl no	District	Division	Name of the Site	Area (in Km)	Coordinates		
6	Purulia	Kangsabati North	Both side of Rachi Road(DM Banglow to MVI More)(JL No. 02)	3.6	N 23°20'0.59"	E 86°21'27.70"	
			Both side of Approaching Road Road at Chharah Dumping ground.(JL No. 131)	3	N 23°21'57.81"	E 86°24'57.42"	
			At Teledih Pump house(JL 304)	0.6	N 23°18'52.73"	E 86°19'16.94"	
			Bank of Natun Bandh(JL 02)	0.38	N 23°20'12.12"	E 86°21'46.61"	
			Bank of Bucha Bandh(JL 02)	0.375	N 23°19'40.80"	E 86°22'44.86"	
			Bank of Poka Bandh(JL 02)	0.5	N 23°19'55.94"	E 86°22'14.66"	
			bank of Raja Bandh(JL 02)	1.2	N 23°19'26.30"	E 86°22'20.79"	
			bank of Khejurla Bandh(JL 02)	0.5	N 23°20'4.54"	E 86°22'40.62"	
			Single side of West Lake Road (PHE more to Purulia Municipality)(JL 02)	1.3	N 23°20'13.19"	E 86°21'28.29"	
			Single side of South Lake Road, In front of Rabindra Bhawan (JL 02)	0.2	N 23°20'5.06"	E 86°21'43.03"	
			Both side Lang Road (marwari youth club to Super Market)(JL 02)	1.36	N 23°20'29.96"	E 86°21'27.30"	
			Both side of East Lake road Marwari youth club to Raghjpur more(JL 02)	0.6	N 23°20'31.86"	E 86°21'35.13"	
			Single side of North lake road (JL 02)	1	N 23°20'43.86"	E 86°21'24.53"	
			Mission road , MVI more to Bhatbandh more(JL 02)	0.95	N 23°19'56.17"	E 86°21'22.25"	
Municipal land at Dhop ghata near Dhopghata Durgamandir(JL 02)	0.2	N 23°20'1.69"	E 86°22'36.24"				
Sadhudanga Road side near Railway over bridge (JL 02)	0.5	N 23°19'48.92"	E 86°22'48.55"				
7	Darjeeling	Kurseong	Rohine Road	10	N 26°52'21.08"	E 88°16'59.69"	
					N 26°48'04.19"	E 88°18'23.10"	
			N.H. -55 , Selim hill to Rohine Zero Point	10	N 26°51'26.09"	E 88°19'40.32"	
					N 26°52'21.08"	E 88°16'59.62"	
8	Kolkata	URF	Budge Budge II Panchayet Samity	30	N 22°23'47"	E 88°09'54"	
			Santragachi to Domjur	20	N 22°58'51.92"	E 88°28'38.76"	
			Brigade Parade Ground	20	N 22°55'67.40"	E 88°33'95.58"	
			Barrackpur Chriya More to Shyam Bazar	28	N 22°46'2.7372"	E 88°23'18.0384"	
9	Darjeeling	Darjeeling	St. Paul's School Jalapahar	1.3	N 27°01'45.4"	E 88°15'49.5"	
			Mount Hermon School Siganari		0.25	N 27°03'54.6"	E 88°15'01.3"
					0.42	N 27°04'003"	E 88°15'03.7"
					0.23	N 27°04'01.9"	E 88°15'06.7"
					0.8	N 27°03'57.9"	E 88°15'08.5"

UL/A/01 - Avenue Plantation.						
Sl no	District	Division	Name of the Site	Area (in Km)	Coordinates	
9	Darjeeling	Darjeeling	North point School Sigamari	0.03	N 27°03'46.4"	E 88°15'06.7"
				0.03	N 27°03'41.1"	E 88°15'06.5"
				0.25	N 27°03'43.3"	E 88°15'01.9"
			Lebong Army Cantonment and Military Hospital	0.42	N 27°03'45.9"	E 88°16'14.0"
				3.2	N 27°03'53.3"	E 88°16'48.3"
				0.2	N 27°03'50.9"	E 88°16'42.0"
				2.7	N 27°04'24.3"	E 88°16'59.0"
				0.2	N 27°03'56.4"	E 88°16'41.9"
				0.25	N 27°06'37.4"	E 88°06'33.2"
			Rimbick H.S. School	0.2	N 26°98860"	E 88°12093"
			Maneybhanjang High School	0.4	N 27°03'34.5"	E 88°20'56.1"
Lamahhat High School	0.4	N 27°04'31.8"	E 88°20'22.7"			
Singritam High School	0.4	N 27°04'31.8"	E 88°20'22.7"			
10	24 PGN North	25 PGN North	Along Barrackpur Trank Road 2.5 Km under Titagarh Municipality	1.2	N 22°44'16.70"	E 88°22'23.30"
Total				219.745		

Project Director, SPMU, West Bengal
Namami Gange

24-12

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