

Done

Nirman Bhavan, New Delhi
Dated the 05th January, 2022

Office Memorandum


Sub: Project proposals submitted by Government of Arunachal Pradesh under (NESIDS) for F.Y.2021-22.

The undersigned is directed to refer to the letter No.NESIDS-11014(11)/1/2021-O/o US(NLCPR) dated 30th December, 2021 (copy enclosed) on the subject mentioned above and to say that it is not feasible to consider the project proposals of Government of Arunachal Pradesh in the NERUDP Section as 10% Lumpsum Scheme has already been ended on 31.03.2021 and the NERUDP Scheme has been extended upto 31.03.2022 to complete the ongoing projects only and no new projects are considered under this Scheme.

2. In view of the above, all the Missions/Schemes of the Ministry are requested to consider the above project proposals and if the same is covered under their guidelines, the same may be intimated directly to the Ministry of DoNER for further action in the matter.

3. This issues with the approval of Competent Authority.

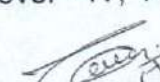
Enclosure: As above


(Gourang Goswami)
Section Officer (NERUDP)
Tele: 2306 1691

To,

1. All Missions/Schemes of the Ministry of Housing & Urban Affairs, Nirman Bhavan, New Delhi.
2. SO (IT) Cell, MoHUA for uploading in the e-office site of this Ministry.

Copy for information to: The Under Secretary (NLCPR), (Kind Attention: Sh. A. K. Pandey, Under Secretary), Ministry of DoNER, East Block - 10, Level -IV, R. K. Puram, New Delhi -110066.


(Gourang Goswami)
Section Officer (NERUDP)
Tele: 2306 1691

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Works

No. NESIDS-11014(11)/1/2021-O/o US (NLCPR)
 Government of India
 Ministry of Development of North Eastern Region

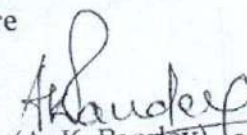
East Block-10,
 Level-4, R.K. Puram
 New Delhi - 110066
 Dated 30.12.2021

OFFICE MEMORANDUM

Subject: Project Proposals submitted by Government of Arunachal Pradesh under NESIDS for F.Y. 2021-22.

The undersigned is directed to refer to subject mentioned above and to request you to kindly examine and intimate whether the following project proposals submitted by Government of Arunachal Pradesh is coverable under any scheme of your Ministry/Department, and/or if your Ministry/Department could fund these projects. If not, kindly render your views/comments on the project proposals to this Ministry at the earliest but not later than within 7 days of issue of this O.M. Copy of concept note is enclosed:-

- i. Integrated Drinking Water Project through hybrid of lift and gravity distribution system with value addition of Tourism components at Deomali in Tirap district-Estimated cost Rs.39.62 crore
- ii. Integrated Smart Drinking Water Supply project with Pisciculture & Tourism components at Pagi in Leparada district-Estimated Cost of Rs.58.95 crore


 (A. K. Pandey) 30.12.20.

Under Secretary to the Govt. of India
 E-mail: akhilesh.pandey13@nic.in

Encl. As stated above.

To

- i. Secretary, Department of Rural Development, Ministry of Rural Development, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110001 (secyrd@nic.in)
- ii. Secretary, Department of Drinking Water & Sanitation, 9th Floor, Paryavarn Bhawan, CGO Complex, Lodhi Road, New Delhi-110003 (secydws@nic.in)
- iii. Secretary, Ministry of Housing & Urban Affairs, Nirman Bhawan, C - Wing, Dr. Maulana Azad Road, New Delhi-110011 (secyurban@nic.in)

- iv. Secretary, Department of Water Resources, River Development & Ganga Rejuvenation, Shram Shakti Bhawan, Rafi Marg, New Delhi-110001 (*secy-mowr@nic.in*)
- v. Chief Executive Officer (CEO), Niti Aayog, Sansad Marg, Sandad Marg Area, New Delhi (*ceo-niti@gov.in*).

Copy to:

- i. Deputy Secretary (IFD), MDoNER for scrutiny/comments.
- ii. Superintending Engineer, Technical Wing, MDoNER for scrutiny/comments.



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF FINANCE, PLANNING & INVESTMENT
PLANNING & INVESTMENT DIVISION
BLOCK NO. 1, 4th FLOOR
A.P. SECRETARIAT::ITANAGAR

Dated, Itanagar, 30th December, 2021.

To

Shri S. D. Meena,
Deputy Secretary,
Ministry Of Development of NE Region,
East Block-10 (Level-IV),
R. K. Puram,
New Delhi-110066

Sub: **Submission of Concept papers for project proposal included in Priority List for NESIDS 2021-22 as additional projects.**

Sir,

In continuation to this office letter of even number dated 18.11.2021 on the subject mentioned above, I am directed to forward herewith Concept Papers for the following projects prioritized as additional projects for funding under NESIDS during 2021-22.

1. Integrated Drinking Water Project through hybrid of lift and gravity distribution system with value addition of Tourism components at Deomali in Tirap district- Rs. 39.62 crore.
2. Integrated Smart Drinking Water Supply project with Pisciculture & Tourism components at Pagi in Leparada district - Rs.58.95 crore.

This is for your kind information and further necessary action please.

Yours faithfully,

Encl: - As stated above.

Signed by Punyendu Mishra

Date: 30-12-2021 13:01:56

Reason: Approved
(Punyendu Mishra)

Director (Project Coordination)

Copy to:

1. PPS to HCM, Govt. of Arunachal Pradesh, Itanagar for information.
2. PS to Hon'ble Dy. Chief Minister, Govt. of Arunachal Pradesh, Itanagar for information.
3. US to Chief Secretary, Govt. of Arunachal Pradesh, Itanagar.
4. PS to Commissioner (P&I), Govt. of Arunachal Pradesh, Itanagar.
5. PA to Secretary (P&I), Govt. of Arunachal Pradesh, Itanagar.
6. PA to Secretary (PHE&WS), Govt. of Arunachal Pradesh, Itanagar.
7. PA to Special Secretary (P&I), Govt. of Arunachal Pradesh, Itanagar.
8. The Chief Engineer, PHED (EZ), Govt. of Arunachal Pradesh, Itanagar with reference to letter No. PHED/EZ-19/PROJECT/2020-21/73 dated 29.12.2021 for information.
9. Office copy.

GOVERNMENT OF ARUNACHAL PRADESH
PUBLIC HEALTH ENGINEERING AND WATER SUPPLY
DEPARTMENT

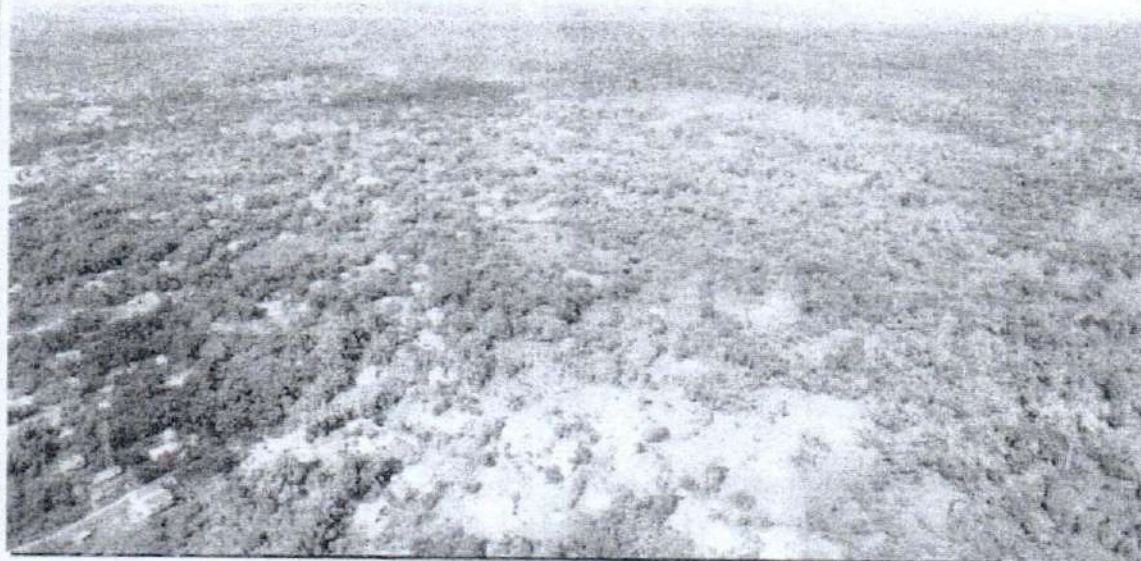
CONCEPT PAPER

ON

Integrated Drinking Water Project through hybrid of lift and gravity distribution system with value addition of Tourism components at Deomali, Tirap District

AMOUNT = ₹ 39,61,56,000.00

(Rupees Thirty Nine Crore Sixty One Lakh Fifty Six Thousand) Only



PUBLIC HEALTH ENGINEERING AND
WATER SUPPLY DIVISION,
KHONSA

CONCEPT PAPER

Integrated Drinking Water Project through hybrid of lift and gravity distribution system with value addition of Tourism components at Deomali, Tirap District

	GENERAL INFORMATION:-
<p>1 The concept paper should elaborate the problem to be addressed through the project at the local/State level. Evidence regarding the nature and magnitude of the problem should be given. Clear evidence should be available regarding the nature and magnitude of the problem to be addressed</p>	<p>Arunachal Pradesh, a North Eastern state of India is located between latitude 26°30' N to 29°30' N and longitude between 91°30' E to 97°30' E. It is bounded with many international boundaries bordering China in North, Myanmar in East, Bhutan and Tibet in West. The Topography of the state is mostly hilly. The state is having total area of 83,743 sq. km. As per 2011 census, the total population of the state was 13,83,727 numbers with the density of population 17 numbers per sq. km. Out of the total population @ 77.06% of population are residing in rural areas and the rest in urban areas. The state has a literacy rate of 64.07%.</p> <p>The present gravity water supply system to Deomali Township is not covering to upper part of Deomali and nearby villages within the periphery of Deomali due to locational issues and rapid influx of population from nearby villages. The project would cover these areas, hamlet of upper Deomali, Wangcha Rajkumar Government college, Community Health Centre Deomali, Narottam Nagar, 2nd mile (Dehing Camp) etc. in Tirap district, Arunachal Pradesh. It has a present population of approximately 2993 numbers and ultimate design population of after 33 years (three years construction period) will be 8821 souls excluding institutions and officials population of mentioned area. The 30 bedded Community Health Centre, Deomali upgraded as CHC in year 2018 from Primary Health Centre having a increases floating population day by day including doctors, nurses and other staffs etc shall also contribute considerably to institutional water demand. The population in the outskirts of the Deomali Town is the fastest growing one in Tirap district of Arunachal Pradesh which has caused scarcity of water already</p> <p>PROJECT AREA:-</p> <p>The hamlet of upper Deomali, Wangcha Rajkumar Government college, Community Health Centre Deomali, Narottam Nagar, 2nd mile (Dehing Camp) etc. are located at outskirts East to north side of Deomali Township and are famous for its picturesque and scenic beauty at a distance of 420 Km from state capital Itanagar and 55 km from district headquarter, Khonsa. The town is well connected by all weather road. The nearest railway station Naharkatia is 45 km away from the town. These areas are situated at an altitude of 166 mtr above mean sea level and lies within the geographical range of N27°10'58" North latitude and E95°28'36" East longitude. The average temperature of the place varies from 16.1° to 27.6° Celsius during the month of April to September and it is cool from the month of December to March.</p> <p>The average rainfall of the place varies 20 to 492 mm. The driest month is December with rainfall of 20 mm and July is the most rainy month of the year with average of 492 mm percipitations.</p>
	<p>The area is mainly inhabited by Nocte Tribe of the state, besides Nocte tribe, the place is also inhabited by businessmen from main land India, migrant labourers, state government and central govt. employees etc. The indigenous people of the area basically speak Nocte dialect. Racially, they are mongoloid and naturally they are peace loving and hardworking. Their main occupation is agriculture and horticulture. The place is also known as the epicenter of cultural and social movement of Nocte community. Chato-Loku is the main festival of Nocte and is celebrated every year in the town during the month of December with great pomp and gaiety. The attraction & importance of the place is enhanced up by Ramakrishna Mission School Narottamnagar at Deomali located 10 km away from the proposed project township.</p>
	<p>TOPOGRAPHY:-</p> <p>The topography of the place is plain. The soils along the plain have moderately deep moist and fertile loamy, upper layer of which are stained with humus. At some places, shallow soils with underlying boulders and rocks are also found. The sub soil consists of sandy loam of varying depth and over it lays a layer of humus. The general nature of soil is porous.</p> <p>GEOLOGY:-</p> <p>Geologically the soil formation contains mainly sand layers unconsolidated and highly dissected resulting in deep gullies and hillocks and undulating terrains containing various grades of rocks like sedimentary rocks and metamorphic rocks etc.</p>

	<p>EXISTING WATER SUPPLY FACILITIES:-</p> <p>The existing water supply system to areas are mainly based on ring well systems using pumps to lift the water and supply through gravity. Since there are no proper treatment system in place, therefore, the water supplied has iron content causing bad taste, bad smell and colouring to cloth & utensil etc. Further, the existing systems have completely outlived their designed periods. The discharges through it have also become inadequate to meet the present requirement during winter as the institution and health centres have seen rapid growth and manifold increase in population.</p>
	<p>NECESSITY FOR PROVIDING WATER SUPPLY:-</p> <p>The existing ringwell pumping supply system was constructed during nineties for a small population then. Owing to rapid population growth in the area, the water demand has surpassed the availability. The discharges from the wells have also declined substantially over the years due to human activities like shifting cultivation in catchment area, global warming impact etc. The existing system is also in bad condition and unable to provide the present growing demand of water, as the population has tremendously increased over the years and there has been a rapid development of institutions and offices which has insinuated heavy influx of people to the area. There have been cases of water borne diseases as reported. Therefore, there is growing aspiration amongst the people not only on availability of water but on its quality as well. A major portion of Deomali portion would be taken care of through a project that is under implementation. This smart (automated) drinking water project if implemented would cover the left out portions in the periphery of township and beyond upto Narottamnagar. Besides, it is planned to integrate tourism component into it to generate some revenue to empower the community socio-economically. To meet the additional water demand, a stream "Charju" is identified which is perennial and has discharge much beyond the requirement even during the leanest period. Water from the stream would be lifted using solar energy and treated at a suitable area located near the source and then would be supplied through gravity system to the consumers.</p>
2 The development objective proposed to be achieved should be given	<p>The gap in water demand and supply and also improved quality of water would be met from the project. Major institutions like WRG college, the lone college in Tirap district and RKM Narottamnagar where there is still some shortcoming in drinking water, would be the beneficiaries besides other populace representing private, public and commercial sectors.</p>
3 Benefits likely to accrue quantified in terms of population and other parameters	<p>The scheme if implemented will benefit 8821 people including institutions and the uncovered habitations in the adjoining areas. The number of water borne diseases would be considerably reduced and the consequent loss in financial expenses incurred in treating the diseases would be minimized. Better drinking water facilities always boost tourism opportunities. Hence, the socio-economic parameters of the local populace is likely to improve. This scheme in particular having been conceived with revenue generation intent incorporating tourism components is likely to impact the lives of the local people positively. Because of the proximity of the project site with Assam and the scenic beauty offered by the forest and river, it has potential to attract lot of people from Assam as a destination for picnic and amusement. The availability of road connectivity which is further improving with highway construction under progress would be another advantage for the given location to attract more people in days to come. As there is no such amusement facility in the district or in nearby areas of Assam, this would be a great asset for the entire people of the region.</p> <p>There is also a vast scope for setting up of other educational institutions, Tourist lodge and other related activities etc around the area. This project will encourage such progresses and also self-employment of the local youths.</p>
4 The ongoing initiatives taken by the State Government and the manner in which duplication will be avoided and synergy created through the proposed project	<p>After conducting necessary survey, a probable cost of scheme to the tune of 3961.56 lakh has been worked out for consideration to be taken up under central or state Govt. programme on priority basis. The scheme has not been taken up under any other head/ programme to avoid duplicity.</p>
5 Economic parameters be given to justify the project for funding and in case of social infrastructure projects socio-economic analysis justifying taking up of the project may be elaborated.	<p>Provisioning of good quality and required quantity of water to the denizen shall not only reduce the disease burden but also shall open avenues for other growth. Here, with the tourism promotion and revenue generation thereof being integrated in the drinking water project itself, the socio-economic growth of the people is only going to be encouraged and accelerated.</p>

1925874/2022/NEURDP

6 Issues relating to sustainability, including operation and maintenance of assets after project completion and related issues should be given	The energy requirement of the system will be met from solar energy with other conventional energy as stand by only. The distribution of water to the consumers would be through gravity. Hence, recurring cost would be very minimal. For the upkeepment of the system, the revenue that would be generated from the project itself would be enough. Infact, there would be revenue accrued to the state exchequer as well through tourism components and through water tariffs from the consumers. In regards to sustainability of sources, care will be taken to protect the the sources from depleting by pursuing and by taking appropriate measures like water harvesting structures and awareness campaign, involving local Panchayat leaders, Administrative heads etc.
7 Estimated cost, financial and physical phasing, time frame, status of administrative and statutory clearances from State/Central Government authorities, and readiness for implementation of the projects. Should also be given	<p>Estimated cost Rs 3961.56 Lakh Designed Population 8821 Nos (FOR 1.06 MLD) Designed period 33 Years Time frame 3 Years Fund Phasing</p> <p style="text-align: center;">From NESIDS</p> <p>1 Year - 2021-22 = Rs 1188.47 lakh 2 Year - 2022-23 = Rs 1584.00 lakh 3 Year - 2023-24 = Rs 1188.47 lakh Total = Rs 3961.56 lakh</p>
	The scheme shall be completed by March 2024 subject to accordance of Administrative Approval and Expenditure Sanctioned from the Competent Authority
	<p style="text-align: center;"><u>Physical Phasing:</u></p> <p>1 Year - 2021-22: Site development, construction of temporary site office cum store, porter track, approach road, site development of solar power installation area, procurement of HDPE pipes / fittings etc., procurement of special fittings and T&P items, C/o Jackwell / intake tank and pre-sedimentation tank.</p> <p>2 Year - 2022-23: Laying, fitting & fixing of HDPE pipes, C/o sedimentation tank, Aerator, filtration plant, clear water reservoir, Zonal tanks and other components of WTP, procurement of fittings and specials.</p> <p>3 Year - 2023-24: Construction of Boundary & protection wall at WTP, laying of distribution pipe network, Architecture, beautification of WTP, installation of solar power, children park etc.</p>
	Since the land proposed for construction of WTP belongs to the State Govt. Hence, acquisition of the said land shall not be a constraint during the implementation of the project. Further, the department has adequate man power and equipment and is in a position to start the project as soon as the technical clearance is given by competent authority and fund is made available.

[Signature]
 Junior Engineer
 PHE & WS Section
 Deomali

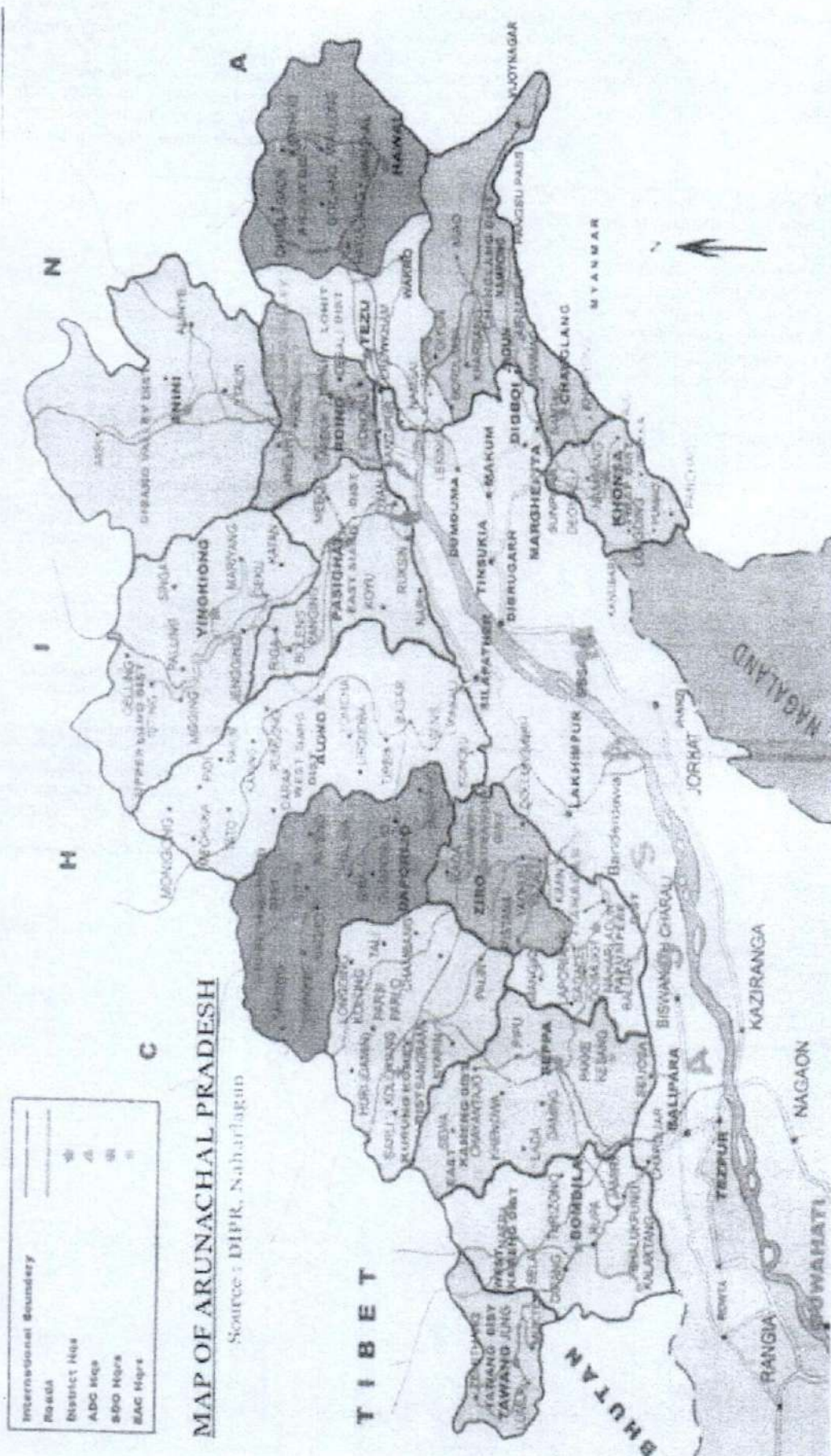
[Signature]
 Assistant Engineer,
 PHE & W/S Sub-Division
 Deomali

[Signature]
 Executive Engineer
 PHE & WS Division
 Amroli

[Signature]
 Chief Engineer (E&Z)
 PHE & WS Department
 Namsai

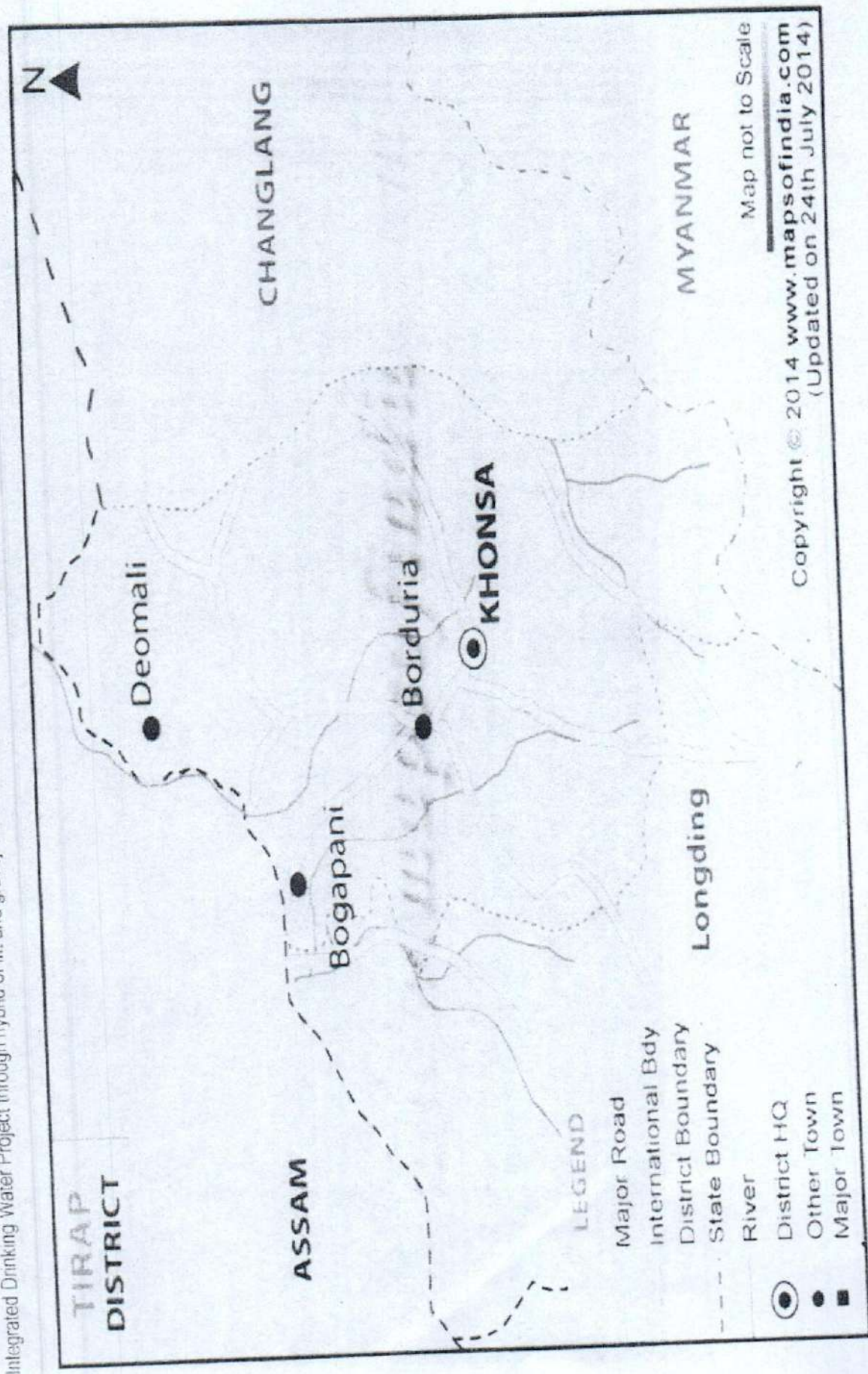
DETAIL MAP OF STATE ARUNACHAL PRADESH

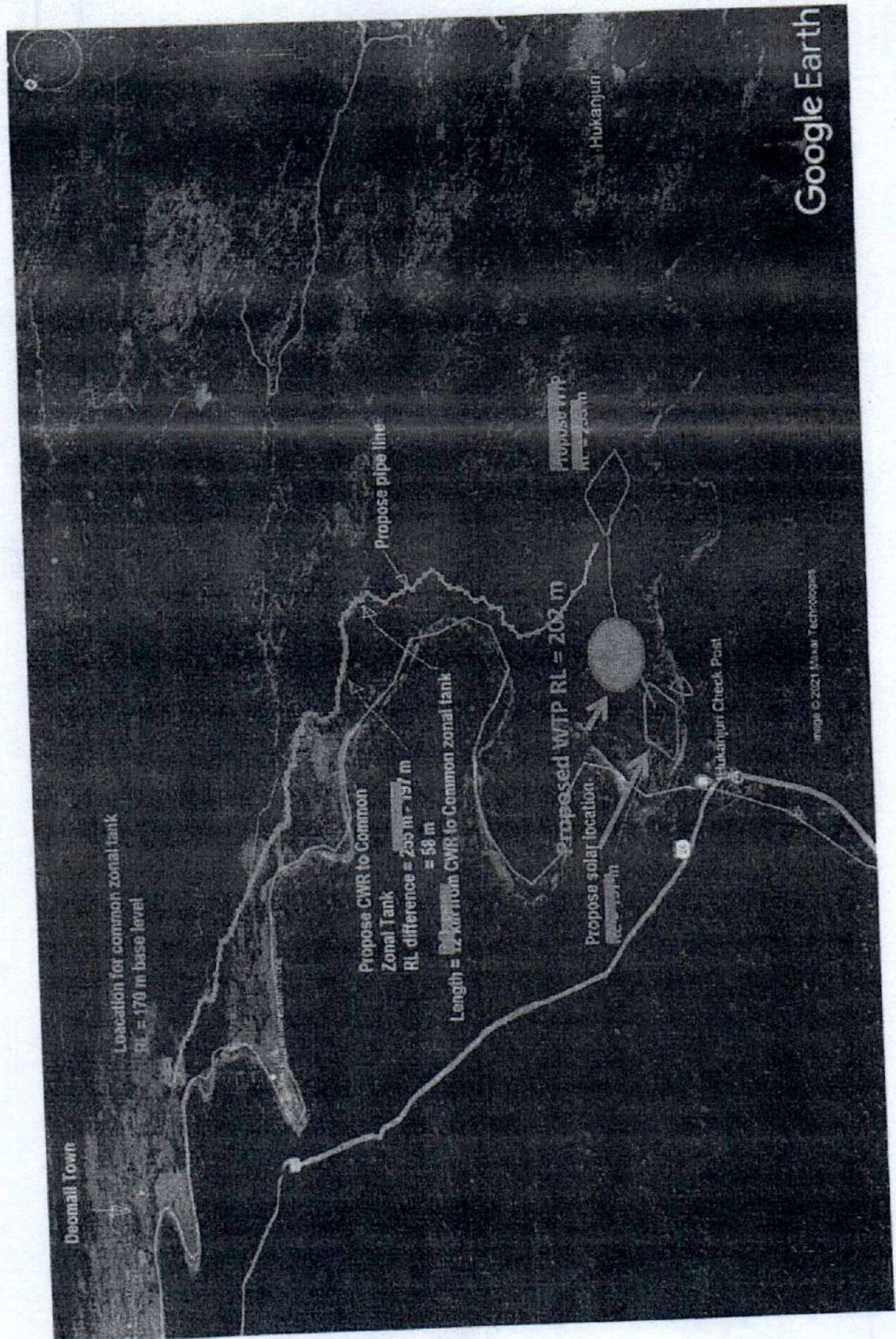
Integrated Drinking Water Project through hybrid of lift and gravity distribution system with value addition of Tourism components at Deomali, Tirap District



DETAIL MAP OF TIRAP DISTRICT

Integrated Drinking Water Project through hybrid of lift and gravity distribution system with value addition of Tourism components at Deomali, Tirap District





GOVERNMENT OF ARUNACHAL PRAEDESH
OFFICE OF THE EXECUTIVE ENGINEER
WATER RESOURCE DEPARTMENT
DEOMALI

15



SOURCE RELIABILITY CERTIFICATE

This is to certify that as per records available the Charju River is the river source having a discharge 0.11574 Cumec during the lean period. And that the discharge will remain same to till 30 years period.


Executive Engineer
Water Resources Division
Deomali

1925874/2022/NEURDP

GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF THE CHIEF ENGINEER
PUBLIC HEALTH ENGINEERING & W/S DEPARTMENT (E/Z)
NAMSAI



NON DUPLICACY CERTIFICATE

This is to certify that "Integrated Drinking Water Project through hybrid of lift and gravity distribution system with value addition of Tourism components at Deomali, Tirap District", for an amount to Rs.39,61,56,000.00 (Rupees Thirty nine crore sixty one lakh fifty six thousand) Only under Tirap District has neither been sanctioned nor taken up in any other programme such as NEC / NLCPR / RIDF / SPA / NRDWP etc.

Executive Engineer
PHE&WS Division
Khemsa

[Signature]
28/12/2021
Chief Engineer
PHE & WS Department(E/Z)
Namsai

Countersigned by

[Signature]
Secretary (Secretary (PHE&WSD)
Govt. of Arunachal Pradesh
Itanagar

**GOVERNMENT OF ARUNACHAL PRADESH
PUBLIC HEALTH ENGINEERING AND WATER SUPPLY DEPARTMENT**



**CONCEPT PAPER
FOR**

**Integrated Smart Drinking Water Supply Project with Pisciculture & Tourism Components at
Pagi**

Estimated Cost: Rs. 5895 Lakh

Implementation Period: 2021-24

**PHE & WS DIVISION, BASAR
LEPARADA DISTRICT, ARUNACHAL PRADESH**

1925874/2022/NEURDP

Name of Project:- Integrated Smart Drinking Water Supply project with pisciculture & Tourism Components at Pagi

1. The concept paper should elaborate the problem to be addressed through the local/state level. Evidence regarding the nature and magnitude of the problems should be given. Clear evidence should be available regarding the nature and magnitude of the problem to be addressed.

Leparada district is the newest district in the state inaugurated on 10th Dec'2010. Basar is the district hq of Leparada. With joining of DC, SP and head of the departments and other officials and connected staffs, there has been tremendous increase in the population of Basar township. The last scheme implemented is already more than 15 years old. Hence, water crisis has become a huge challenge in the township. Besides, the peripheral and nearby villages have also got issues of shortage in water supply level. The proposed project namely "Integrated Smart Drinking Water Supply project with pisciculture & Tourism Components at Pagi" is located at a beautiful valley with two perennial natural streams namely HIDE & HIYA, near Pagi village of Leparada District of Arunachal Pradesh. The proposed site is about 8 km from Basar township and is connected with an all-weather road up to 6 km. The project shall cover integrated smart water supply systems for 5 habitations, namely Regi (Upper), Regi (Lower), Pag-I, Pagi- II (partial), Rego & part of Basar township namely Veterinary & Forest Colony, Medical & Government Higher Secondary School Colony. It shall also have provision for construction of a RCC Dam spanning about 70 metres in average in length and 16 metres in height, that will create a reservoir of about 1368000 cum spread over an area of 22.80 Ha, wherein, about 1,00,000 fishes can be bred. This will help in harvesting of rain water and replenish the need of water for the drinking water project and the twin waterfalls of Dime & Dite located about 2 Km in the downstream of the proposed lake. The project would be automated with mini-scada system using scada compatible sluice valves and other fixtures. In addition, there is proposal to construct an all-weather road around the reservoir with arch bridge over the dam, arboriculture, cafeteria, swimming pool, market sheds for local farmers, nature's trail, parking lot, suspension bridges to connect the island with cafeteria, residential quarters for support staffs etc.

EXISTING WATER SUPPLY SYSTEMS:

The existing water supply system at Regi (Upper), Regi (Lower), Pagi-I, Pagi-II; Veterinary & Forest Colony, Medical and Government Higher Secondary School Colony which were implemented some years back are not in position to meet the drinking water needs of the growing population. Therefore, it is proposed to draw water from the above reservoir to augment water supply in the above mentioned habitations.

2. The development objectives proposed to

The proposed project would be one of the unique and innovative projects, wherein, besides providing integrated smart drinking

1925874/2022/NEURDP

to be given should be given.	water supply to 5 habitations and part of Basar township, the artificial lake created through the project with provisions of orchid trails, cafeteria, cycling, jogging tracks, pisciculture cum angling and its natural scenic beauty will promote tourism and generate revenue resulting to socio-economic growth in the area.
3. Benefits likely to accrue quantified in terms of population and other parameter.	The scheme if implemented will benefit directly about 4074 people presently residing in 5 habitations and part of Basar township. It will also promote and boost economic opportunities in the area.
4. The ongoing initiatives taken by the State Govt. and the manner in which duplication will be avoided and synergy created through the project.	There is no other ongoing initiative taken by the Government related to this project. Hence question of duplication does not arise.
5. Economic parameters to be given to justify the project for funding and in case of social infrastructure project socio-economic analysis justifying taking up of the project may be elaborated.	Since the proposed project site has a natural scenic beauty with twin waterfall just below it, the value addition conceived in the project would make the area as one of the tourist spots, which would help enrich the people of this area. Unemployed youth can be conferred with opportunities of self-employment through home stays, as guides, and through selling of local products etc. to the visiting tourists. It will also bring down the incidences of water borne diseases drastically and related expenditure thereof.
6. Issues relating to sustainability including operation and maintenance of asset after project completion and related issues should be given.	The project is conceived to meet its power requirement from the mini micro hydel incorporated in the project. It would otherwise also be working on gravity system needing power only for operation of filtration system, lighting, fountains etc. On completion of the project, the assets, so created, shall be maintained by the department and the community concerned by sharing the responsibility in management and revenue generated as well.
7. Specification	<p>Specification:- As per CPWD/CPHEEO Std. Specifications</p> <p>Rate:- As per APPHESR 2018 + Approved Rate + Applicable Cost Index</p> <p>Method:- Tender</p> <p>Time:- 2021 - 2024 subject to fund provision</p>
8. Estimated cost, physical and financial phasing. Status of administrative and statutory clearance of State/Central Government.	<p>Estimated Cost = Rs. 5895.00 Lakh</p> <p>Designed population = 6885</p> <p>Design period = 30 years</p> <p>Financial phasing:</p>

From NESIDS

2021-22 = Rs. 1768.50 Lakh

2022-23 = Rs. 2358.00 Lakh

2023-24 = Rs. 1768.50 Lakh

Total = Rs. 5895.00 Lakh

Physical phasing**2021-22:** (1) Provision for land development i/c jungle clearance.

(2) Commencement on works like dam construction, drinking water with treatment, distribution network and air management system for 5 habitations and a part of Basar town.

(3) Commencement on works like construction of road with CD works to dam-point and beyond around the reservoir with provision of walk way.

2022-23: (1) Construction of 80mtr long and 16 mtr high dam i/c iot compatible sluice valves, road way over the bridge.

(2) Procurement of Pipes and laying fitting fixing works

(3) Provisioning for Mini-SCADA system for monitoring & controlling the flow, water treatment plant, water quality, distribution system, tourist inflow (foot fall) recording, fish production recording, security surveillance, smart lighting, wireless local area network etc.

2023-24: (1) Provision for car parking, food park, fruit juice Kiosk (for local oranges, peach, pineapple etc.) water ATM, entrance gate, ticket counter, cafeteria etc.

(2) Provision for 2 Speed Boats, 1 Jet Ski and Electric Vehicle.

(3) Provision for arch shaped foot bridge connecting two islands in the lake with the ring road.

(4) Beautification around reservoir through arboriculture works, planting ornamental trees like maple, cherry blossom, landscaping and developing nature cum orchid trail, fountain etc.

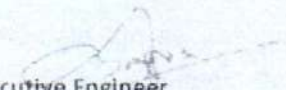
(5) Provision for swimming pool and construction of boundary wall at crucial locations


(6) Provision for an office and quarters for chowkidar and supervisory

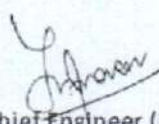
1925874/2022/NEURDP

staffs.

(7) Procurement and release of fish fingerling and 6 months feed.
The scheme shall be completed by March 2024 subject to accordance of technical approval and availability of fund on time.


Executive Engineer
PHE & WS Division, Basar


Superintending Engineer
PHE& WS Circle, Bene


Chief Engineer (E/Z)
PHE & WS Department, Namsai

1925874/2022/NEURDP



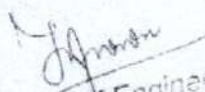
Twin Waterfall in the downstream of proposed project

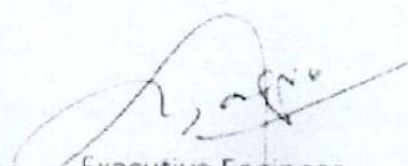


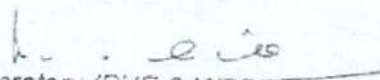
GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF THE EXECUTIVE ENGINEER::PHE & WS DIVISION
BASAR

NON- DUPLICACY CERTIFICATE

This is to certify that the Scheme for "INTEGRATED SMART DRINKING WATER SUPPLY WITH PISCICULTURE AND TOURISM COMPONENTS AT PAGI, LEPARADA DISTRICT NEAR BASAR is neither sanctioned nor taken up under any other program of Government of Arunachal Pradesh or Government of India or NEC or SPA or by any other agencies.


Chief Engineer (E/Z)
PHED Namisai


Executive Engineer
PHE & WS Division, Basar
Executive Engineer
PHE & WS Division

4/5

Secretary (PHE & WSD)
Govt. of Arunachal Pradesh
Itanagar

1925874/2022/NEURDP

Water Source Details

State: Arunachal Pradesh

Name of work: INTEGRATED SMART DRINKING WATER SUPPLY WITH PISCICULTURE AND TOURISM COMPONENTS AT PAGI, LEPARADA DISTRICT NEAR BASAR

Division: Basar

Sub-Division: Basar

1	Sl.No
INTEGRATED SMART DRINKING WATER SUPPLY WITH PISCICULTURE AND TOURISM COMPONENTS AT PAGI, LEPARADA DISTRICT NEAR BASAR.	2
Pagi village	3
Hide and Hiya stream	4
27° 58'02"N 94°43'22"E	5
NA	6
0.08 Cumec	7
.8123 Cumec	8
YES	9
	10
	11
	12

Er. Moi Basar
E.E WRD, Basar