

**GOVERNMENT OF INDIA
NORTH EASTERN COUNCIL SECRETARIAT
NONGRIM HILLS, SHILLONG – 793003**

To
I/c Director (E &M)
North Eastern Council Secretariat
Nongrim Hill, Shillong.

Dated: 17/05/2021

Subject: Submission of Inspection Report of NEC funded project titled “Construction of Mini Barrage across Langathel river nearby Lamlong Khunou, Thoubal District”.

I Rishanlang Ryndong, Consultant (CE) have done the Physical Inspection of the project “Construction of Mini Barrage across Langathel river nearby Lamlong Khunou, Thoubal District”. The project was sanctioned on 18-04-2017 and revised sanction on 13-03-2019 at a total cost of Rs. 400.00 lakh (Original sanction) and Rs. 391.70 lakh (Revised amount). Three instalments totalling Rs. 282.00 lakh were released by the NEC. Under “3601”


Objective of the Project:- To ensuing regulated and timely supply of water to the fields of small and marginal farmers in the villages of Langathel, Phundrei and Walonpokpi Manipur. Moreover, with assured irrigation the crops yield and quality will increase to boost their socio-economic status.

Indication of Works as per DPR:- Construction of Coffor Dam, Construction of Mini Barrage, Construction of 1291m long Lined canal along and Construction of Retaining wall.

Proposed Outcome of the project:- To ensuing regulated and timely supply of water to the fields of small and marginal farmers in the villages of Langathel, Phundrei and Walonpokpi, Manipur. The project will help the cultivators raising multiple high yield varieties of crops and optimize yield with modern practices of agriculture. This project will uplift the socio economic condition of poor people by generating self employment to many skill and unskilled manpower. With assured irrigation the crops yield and quality will increase to boost their socio-economic status.

Observation mentioned in inspection report:

- During inspection it could be seen that works related to Coffor Dam cannot be seen at site since it have already been done in the initial stage. Since the structure of the Mini Barrage is completed thus we can say that these works have been completed.
- Works related to Construction of Mini Barrage were still in progress. The width of the water way had been reducing to 11.5m and nos. of pies had been reducing to 5 nos. but at per DPR it should be 25 meters and 8 nos.
- Construction of Upstream wing wall, abutment wall on both sides, downstream side wall had been constructed and the height was found to be more or less 1.6m in upstream and more than 2m in the downstream after siltation whereas as per DPR it should be 4m for Upstream wing wall and 3m for downstream side wall. The top width of the wing wall, abutment wall and side wall was found to be 0.60 m more or less which was more than the specification mentioned in approved DPR. The total length of the wing wall, side wall was found to be more or less as per specification mentioned in approved DPR.
- Reinforcements used for the wing wall and foundation of Mini Barrage cannot be check by the consultant as casting is already completed. Providing and fixing 6.00mm thick M.S. sliding shutter is yet to be started.
- Works related to Constructions of lined canal have been completed. The total length of the lined canal cannot be measured by the consultant but it was informed by the implementing agency that the total length completed is more than the DPR i.e. 1291m long. The width of the canal is 0.45m which is more than the approved DPR and height is 1.2m after siltation.


17/5/2021
Rishanlang Ryndong
Consultant NEC

- Works related to Constructions of Retaining wall have been completed and the total length constructed is more or less than 36m which is more than approved DPR i.e 30m. The top width of retaining wall is 0.60m which is more than approved DPR i.e 0.50m and the height is 1.6m more or less.
- Around 90% of the works had been completed. However the concern sector should seek clarification regarding the anomalies mention above.
- A signboard acknowledging NEC funding was not found at site, hence the implementing department was asked to erect a signboard mentioning that the project was funded by NEC.

Ryden
17/11/2024
Richard Ryden
Consultant NEC

Report of the inspection carried on 22/03/2021 for the NEC funded project “Construction of Mini Barrage across Langathel river nearby Lamlong Khunou, Thoubal District.

A joint inspection of the above project was carried out by the official of NEC Secretariat, Shillong and officials of Minor Irrigation department Govt. of Manipur. The list of the officials present during the inspection is enclosed as Annexure-I. & The Photographs taken during inspection is enclosed in Annexure-II

(I) BACKGROUND:

Name of the project:	<u>“Construction of Mini Barrage across Langathel river nearby Lamlong Khunou, Thoubal District”</u>
Location:	Thoubal District, Manipur
Implementing Agency:	Minor Irrigation Department, Govt. of Manipur.
Date of Sanction:	18/04/2017
Revised Sanction:	13/3/2019
Revised Cost of Project:	Rs. 391.70 lakhs
NEC Share (90%)	Rs. 352.53 lakhs
State Share (10%)	Rs. 39.17 lakhs
NEC Share released & Dates:	1 st installment of Rs. 100.00 lakhs on 18/04/2017 2 nd installment of Rs. 100.00 lakhs on 13/03/2019 3 rd installment of Rs. 82.00 lakhs on 12/6/2020
Total Amount Released by NEC:	Rs. 282.00 Lakhs
Balance amount to be released by NEC:	Rs. 70.53 lakhs
Status of UC for NEC share :	UC for 1 st installment of Rs. 100.00 lakhs submitted on 8/6/2018 UC for 2 nd installment of Rs. 100.00 lakhs submitted on 30/5/2020
Target Date of Completion:	31 st March 2021
Time overrun	Nil

Rishabang Rishabang
17/5/2021
Rishabang Rishabang
Consultant (NEC)

(II) Aim and Objectives:-

To ensuing regulated and timely supply of water to the fields of small and marginal farmers in the villages of Langathel, Phundrei and Walonpokpi, Manipur. The project will help the cultivators raising multiple high yield varieties of crops and optimize yield with modern practices of agriculture. This project will uplift the socio economic condition of poor people by generating self employment to many skill and unskilled manpower. With assured irrigation the crops yield and quality will increase to boost their socio-economic status.

(III) Observations/ Status:-


Sl.No	Approved items of Works	Approved Cost	Achievement found as on date of inspection	Item of work left for completion	Deviation
	Construction of Cofferdam <ul style="list-style-type: none">• Earthwork in rough excavation• Supplying and fitting bamboo spur 7.5cm diameter....• Formwork	34368.00 468176.60 135893.34	<ul style="list-style-type: none">• These are the works which have done in the initial stage of construction. Since the structure of the Mini Barrage is completed we can say that these works have been completed.	<ul style="list-style-type: none">• Nil	<ul style="list-style-type: none">• Nil
	Construction of Mini Barrage <ul style="list-style-type: none">• Earthwork in excavation• Boring proiding and installation bored cast insitu	150554.44 360059.40	<ul style="list-style-type: none">• Works related to earthwork has been done at the initial stage.• Works related to Boring proiding and installation bored cast insitu reinforced cement pile has been	<ul style="list-style-type: none">• Nil• Nil	<ul style="list-style-type: none">• Nil• Nil

Phundrei
17/5/2021
Rishank Phundrei
Consultant NCC

	reinforced cement pile....		done at the initial stage.		
	<ul style="list-style-type: none"> • CC for reinforced in pile cap...M35 	192616.39	<ul style="list-style-type: none"> • Cement Concrete for reinforced in pile cap M35 have been completed so the consultant cannot give any comments regarding the design mix. 	<ul style="list-style-type: none"> • Nil 	<ul style="list-style-type: none"> • Nil
	<ul style="list-style-type: none"> • Formwork 	407672.79	<ul style="list-style-type: none"> • Since casting of Cut off walls, Block protection wall, pier and side wall have been completed we can say that formwork have been completed. 	<ul style="list-style-type: none"> • Nil 	<ul style="list-style-type: none"> • Nil
	<ul style="list-style-type: none"> • RCC works 	6468276.13	<ul style="list-style-type: none"> • RCC works in foundation, Cut off walls, Pier and Side wall have been completed so the consultant cannot give any comments regarding the design mix. 	<ul style="list-style-type: none"> • RCC works for walking slab bridge have not been started. 	<ul style="list-style-type: none"> • Nil
	<ul style="list-style-type: none"> • Steel Reinforcement 	2107229.58	<ul style="list-style-type: none"> • Since casting works of foundation, Cut off walls, Pier and Side wall have been completed the consultant could not give any comments on the steel reinforcement used. 	<ul style="list-style-type: none"> • Steel Reinforcement for walking slab bridge have not been started. 	<ul style="list-style-type: none"> • Nil
	<ul style="list-style-type: none"> • Providing and fixing 6.00mm thick M.S. sliding shutter 	1391707.80	<ul style="list-style-type: none"> • Not yet started 	<ul style="list-style-type: none"> • Nil 	<ul style="list-style-type: none"> • Nil
	<ul style="list-style-type: none"> • Plastering 	30466.02	<ul style="list-style-type: none"> • Plastering works have been completed so the consultant cannot give any comments regarding the mix. 	<ul style="list-style-type: none"> • Nil 	<ul style="list-style-type: none"> • Nil
	<ul style="list-style-type: none"> • Filling available.... 	36947.92	<ul style="list-style-type: none"> • Filling Works completed. 	<ul style="list-style-type: none"> • Nil 	<ul style="list-style-type: none"> • Nil

Richard Rindley
 17/5/2021
 Richard Rindley
 Consultant N.E.C

<ul style="list-style-type: none"> • Earthwork in excavation • Formwork • CC 1:3:6 • CC 1:2:4 • Plastering • Filling available.... 	<p>Construction of 1291m long Lined canal along</p> <p>1001735.31</p> <p>5409935.50</p> <p>2766033.48</p> <p>9706187.27</p> <p>1735496.46</p> <p>41486.80</p>		<ul style="list-style-type: none"> • Works related to earthwork has been done at the initial stage. • Since castings of canal have been completed we can say those formworks have been completed. • CC works have been completed so the consultant cannot give any comments regarding the design mix. • CC works in side wall have been completed so the consultant cannot give any comments regarding the design mix. • Plastering works have been completed so the consultant cannot give any comments regarding the mix. • Filling works completed 	<ul style="list-style-type: none"> • Nil • Nil • Nil • Nil • Nil • Nil 	<ul style="list-style-type: none"> • Nil • Nil • Nil • Nil • Nil • Nil
<ul style="list-style-type: none"> • Earthwork in excavation • Boring proiding and installation bored cast insitu reinforced cement pile.... • CC for reinforced in pile cap...M35 	<p>Construction of Retaining wall</p> <p>24688.80</p> <p>600099.00</p> <p>339911.28</p>		<ul style="list-style-type: none"> • Works related to earthwork has been done at the initial stage. • Works related to Boring proiding and installation bored cast insitu reinforced cement pile has been done at the initial stage. • Cement Concrete for reinforced in pile cap M35 have been completed so the consultant cannot give any comments regarding the design mix. 	<ul style="list-style-type: none"> • Nil • Nil • Nil 	<ul style="list-style-type: none"> • Nil • Nil • Nil


 P. S. Hanley
 Consultant NCC

	<ul style="list-style-type: none"> Formwork 	150858.00	<ul style="list-style-type: none"> Since castings of base slab and wall have been completed we can say those formworks have been completed. 	<ul style="list-style-type: none"> Nil 	<ul style="list-style-type: none"> Nil
	<ul style="list-style-type: none"> RCC works 	1924445.79	<ul style="list-style-type: none"> RCC works of base slab and wall have been completed so the consultant cannot give any comments regarding the design mix. 	<ul style="list-style-type: none"> Nil 	<ul style="list-style-type: none"> Nil
	<ul style="list-style-type: none"> Steel Reinforcement 	503791.95	<ul style="list-style-type: none"> Since casting works of base slab and wall have been completed the consultant could not give any comments on the steel reinforcement used. 	<ul style="list-style-type: none"> Nil 	<ul style="list-style-type: none"> Nil
	<ul style="list-style-type: none"> Plastering 	113973.60	<ul style="list-style-type: none"> Plastering works have been completed so the consultant cannot give any comments regarding the mix. 	<ul style="list-style-type: none"> Nil 	<ul style="list-style-type: none"> Nil

(III) Location :-

Latitude: - N24.52225⁰

Longitude: - E094.07604⁰

Handwritten signature
17/5/2024
Responsible Engineer
Consultant NRC



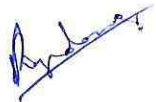
(IV) Overall Remarks:-

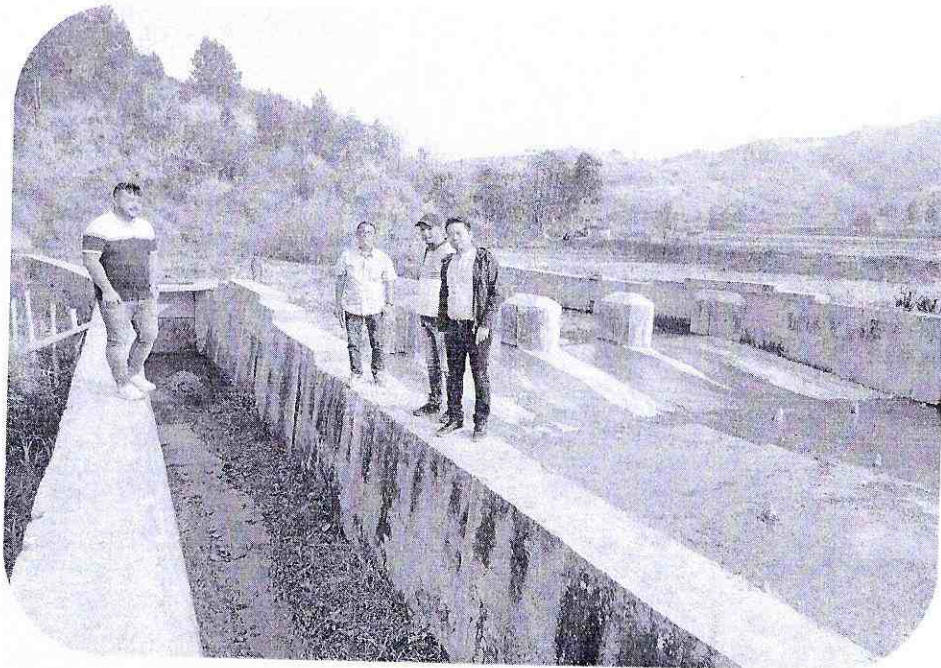
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A signboard acknowledging NEC funding was not found at site, hence the implementing department was asked to erect a signboard mentioning that the project was funded by NEC.

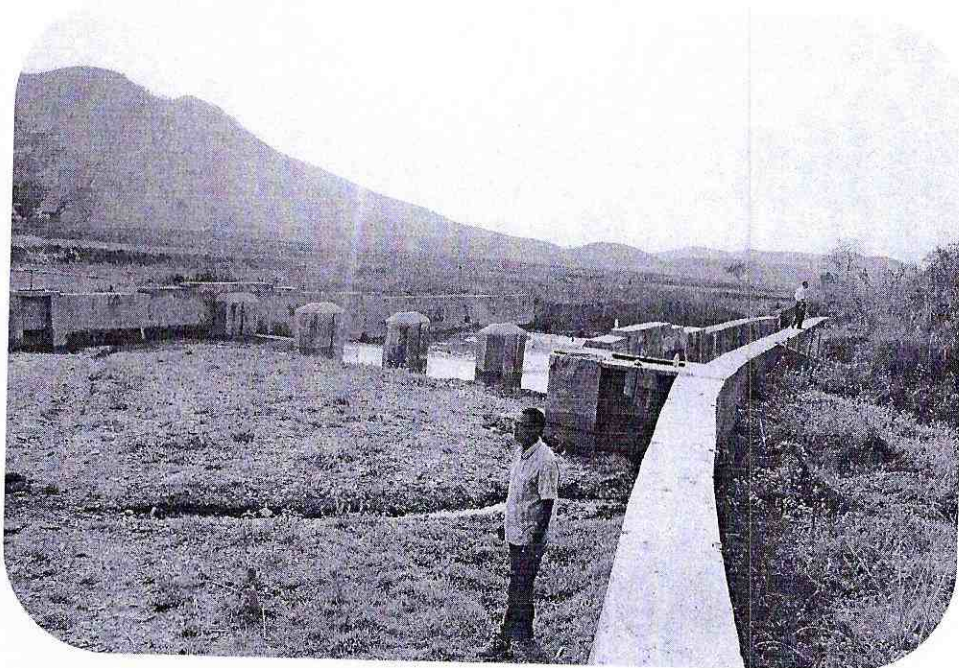
Prishankhy Aggarwal
17/6/2022
Consultant NEC

List of officials who were present during the inspection of NEC funded project
 "Construction of mini barrage across Langathel river nearby Lumlong Khunou Thoubal District"
 22/03/2021

Sl. No.	Name	Contact No. & Email id	Designation & Organisation/Department	Signature
1.	R.k. Dipankar	8131883961 dipankar.210@gmail.com	E.E. / M. I. Dept. Manipur	
2.	Michael J.M.	8575846780 contacts.mjay@gmail.com	AE/ M.I. Dept. Manipur	
3.	Risharlong Ryden	8787622275	Consultant (NEC)	
4.				
5.				
6.				
7.				
8.				
9.				
10.				



Inspection team with Implementing Agency at project site

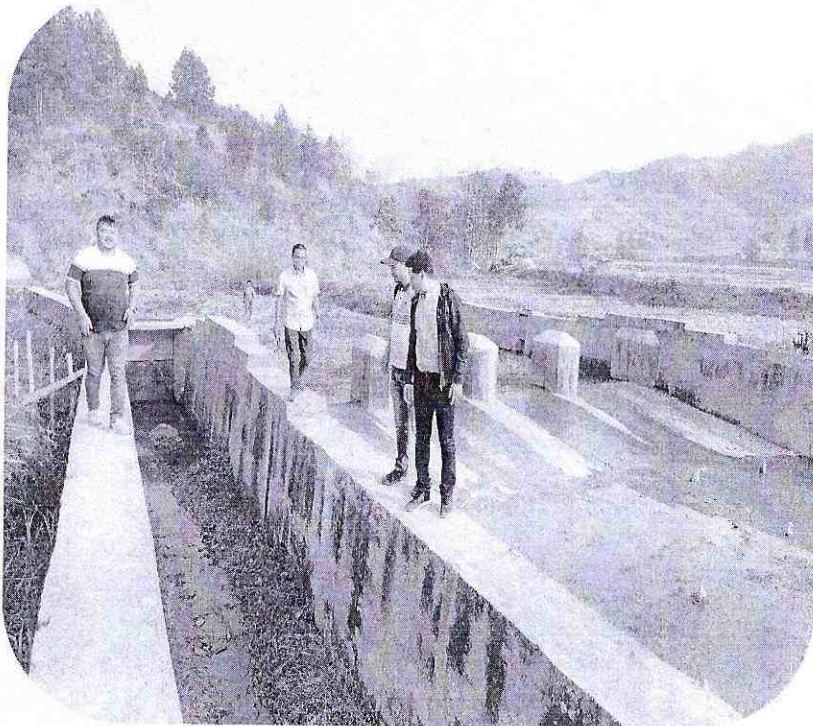


View of Project site.

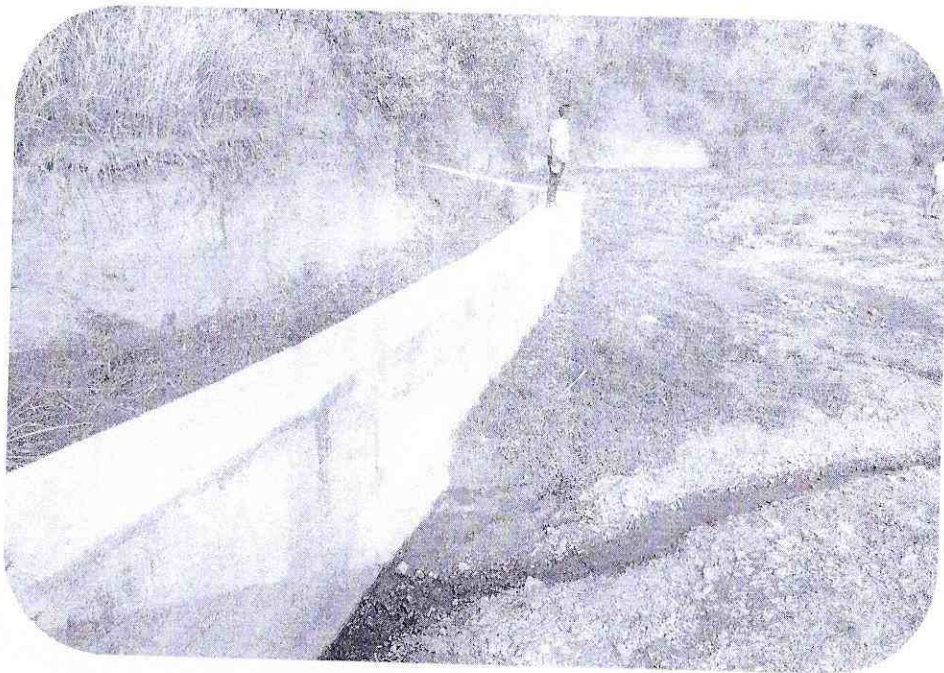
Richardson
17/11/2021
Richardson
Consultant NCC



View of Lined Canal &
Below is a photo showing channel



Ryadony
12/15/2021
Rishanoy Ryadony
Consultant NCC



View of RCC Wall



View of channel

Rishonang Rishonang
17/5/2021
Rishonang Rishonang
Consultant NCC