



**एन एच पी सी लिमिटेड**  
(भारत सरकार का एक नवरात्रि उद्यम)  
**NHPC Limited**  
(A Government of India Navratna Enterprise)



**सुबनसिरी ऊपरी जल विद्युत परियोजना**  
**Subansiri Upper HE Project**  
Village Sippi, PO&PS – Daporijo,  
Dist. Upper Subansiri,  
Arunachal Pradesh – 791122  
Email: subansirupper@nhpc.nic.in

Ref. No. - NH/SUP/SM(C)/ WO/2024-25/21

Date: 03/02/2025

To,  
M/s. P.G. Construction & Consultancy,  
New Market, Daporijo,  
PO/PS Daporijo, Dist.- Upper Subansiri,  
Arunachal Pradesh, PIN 791122.

### WORK ORDER

**Sub:-** Work Order for the work “Construction of shelter for selected site, i.e. Nacho, Tapi, Margam-Kato and Tato for MEQ&LET studies of Subansiri Upper HE Project, Daporijo, Arunachal Pradesh.”

**Ref:-** Your Consent letter No. PG/389/2024-25, Dated-23/01/2025.

Sir,

On basis of your consent letter under reference, NHPC Limited, Subansiri Upper HE Project is please to place a work order “Construction of shelter for selected site, i.e. Nacho, Tapi, Margam-Kato and Tato for MEQ&LET studies of Subansiri Upper HE Project, Daporijo, Arunachal Pradesh.” with following items and rates as given below amounting to **Rs. 6,43,920/- (Rupees Six Lakh Forty Three Thousand Nine Hundred Twenty only)**.

S.No.	Description of Item	Amount (Rs.)	Remarks
1	Name of work: Construction of shelter for selected site, i.e. Nacho, Tapi, Margam-Kato and Tato for MEQ&LET studies of Subansiri Upper HE Project, Daporijo, Arunachal Pradesh.	Rs. 6,43,920/-	AOC (Annexure-I)
	<b>Total Rs.</b>	<b>6,43,920.00</b>	

(Rupees Six Lakh Forty Three Thousand Nine Hundred Twenty only).

### TERMS & CONDITIONS:

1. Prices: Rates shall be firm and inclusive of labour cost and material cost.
2. The work shall be executed as scope of works and specifications or as directed by the Engineer-in Charge at site.
3. Sr. Manager (Civil) shall be the Engineer-In-Charge and may be contacted immediately for execution of this work.
4. Paying Authority: SM (Fin.) Regional Office, Itanagar.

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CIN L40101HR1975GOI032564

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(भारत सरकार का एक नवरात्र उद्यम)  
**NHPC Limited**  
(A Government of India Navratna Enterprise)



**सुबनसिरी ऊपरी जल विद्युत परियोजना**

**Subansiri Upper HE Project**  
Village Sippi, PO&PS – Daporjo,  
Dist. Upper Subansiri,  
Arunachal Pradesh – 791122  
Email: subansiriupper@nhpc.nic.in

5. Payments Terms: payment shall be made through online within 20 days after successful completion of work, inspection by authorized representative of NHPC Limited Subansiri Upper HE Project and submission of GST Invoice. Security deposit @ 5% shall be deducted from contractor's bill as mentioned in clause-8 of T&C.
6. The completion period of the work is 45 days. As time is the essence of the contract, so no time extension shall be allowed excepting under force majeure clause.
7. Defect Liability Period for the work is 6 months after completion of work.
8. The security deposit @ 5% shall be deducted from the bill of the contractor. The amount of security deposit deducted from the contractor bill shall be released after Completion of defect liability period.
9. The Tax shall be deducted as per Govt. Rules.
10. Liquidated Damage: If the work is not completed within completion period, penalty @1/2% per week or part thereof (subject to maximum of 5%) of the order value shall be levied to the work. However, cost compensation for any time extension shall not be paid.
11. Transportation of men and material to site will be arranged/ borne by the contractor and nothing will be paid on this account.
12. The contractor shall comply all the relevant labour laws including EPF deduction in respect of contract employee under EPF & MP Act – 1952 and contract labour [Regulation and abolitions] Act – 70, including insurance.
13. All safety precautions shall be followed by the contractor during execution of the work. If any mis-happening occurred due to negligence of labour, department shall not be responsible for the same.
14. Corporation reserved the rights to reject/cancel or amend the order without assigning any reasons whatsoever.

Yours Sincerely,

*(Tajen Dulom)*  
SM (Civil)

Subansiri Upper HE Project

Copy to:

1. HOP-SUHEP, for kind information please.
2. DGM (Fin.) for kind information please.
3. SM(Civil) for kind information and necessary action please.
4. Office file.

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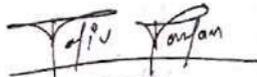


Subansiri Upper HE project						
Abstract of Cost						
Name of work: Construction of shelter for selected site, i.e Nacho for MEQ&LET studies of Subansiri Upper HE Project, Daporijo, Arunachal Pradesh.						
Part: A, Name of station: Nacho						
Sl. No.	Analysed rates based on	Item description	Unit	Rate	Qty.	Amount (Rs.)
1	APAOR-2021 (Building) Item 2.25 Page 29	Surface dressing of the ground, including removing vegetation and inequalities not exceeding 15 cm depth and disposal of rubbish, lead upto 50 m and lift upto 1.50m.	sqm	11.1	12.25	135.98
2	APAOR-2021 (Building) Item 2.4 Page 27	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	Cum	296.47	3.85	1142.00
3	APAOR-2021 (Building) Item 4.6(a) Page 31	Providing and laying cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) excluding the cost of centring an shuttering in: a) Foundations and plinth	Cum	13416.70	0.48	6440.02
4	APAOR-2021 (Building) Item 5.7(a) Page 34	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring, shuttering and reinforcement. a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	Cum	24502.80	0.98	24102.91
5	APAOR-2021 (Building) Item 5.19(b) Page 36	Reinforcement of RCC work including bending, binding and placing in position complete.	kg	100.00	98.00	9800.00
6	APAOR-2021 (Building) Item 6.2 Page 39	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement : 4 fine sand).	Cum	19021.00	0.99	18899.27
7	APAOR-2021 (Building) Item 5.12(a) Page 25	Centring and shuttering including strutting, propping etc and removal of form work for : a) Foundation, footings, bases of columns etc. and mass concrete.	Sqm	378.50	9.92	3754.72
8	APAOR-2021 (Building) Item 4.9(c) Page 32	Centring and shuttering including strutting propping etc. and removal of form work for Columns, pillars and piers.	Sqm	638.00	8.45	5389.82
9	APAOR-2021 (Building) Item 6.12 Page 39	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	Sqm	2086	13.02	27156.59
10	APAOR-2021 (Building) Item 6.13 Page 39	Extra for half brickmasonry in superstructure above plinth level and up to floor two level.	sqm	41.160628	13.02	535.85
11	APAOR-2021 (Building) Item 4.8(a) Page 31	Providing and laying cement concrete 1 : 1.5 : 3 (1 cement : 1.50 coarse sand : 3 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in foundation and plinth	Cum	16588.00	0.79	13100.37

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12	APAOR-2021 (Building) Item 2.22 Page 28	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	Cum	5524.60	1.22	6749.68
13	APAOR-2021 (Building) Item 13.1 Page 65	12 mm cement plaster 1 : 3 (1 cement : 3 fine sand).	Sqm	315.24	35.00	11034.19
14	APAOR-2021 (Building) Item 11.2(c) Page 53	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement. (c) 75 mm thick.	Sqm	1333.00	2.43	3239.19
15	APAOR-2021 (Building) Item 9.2 Page 44	Providing best available local wood (Class - B II) work in frames of false ceiling, partitions and trusses etc, sawn and put up in position.	Ten Cud m	505.40	20.66	10439.04
16	APAOR-2021 (Building) Item 9.1 Page 44	Providing approved best available local wood (Class - B II) work in frames of doors, windows clerestory windows and other frames, wrought framed and fixed in position.	Ten Cud m	533.30	2.28	1214.92
17	APAOR-2021 (Building) Item 9.5 Page 44	Providing and fixing 44 mm thick best available local wood Class - B I(19 mm batten and 25 mm bracing) battened and braced doors and windows shutters including providing and fixing necessary bright finished or black enamelled T-hinges, butt hinges, sliding door bolts, tower bolts and handles with necessary bolts and nuts and screws complete	Sqm	2618.00	1.24	3239.78
18	APAOR-2021 (Building) Item 12.14 Page 60	Providing and fixing 12 mm thick insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately)	Sqm	1454.00	3.24	4710.96
19	APAOR-2021 (Building) Item 12.1(b) Page 59	Providing corrugated G.I.sheet roofing fixed with galvanised iron J or L hooks, bolts & nuts 8 mm dia with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete, excluding the cost of purlins, rafters and trusses. b) 0.63mm thick GI sheet	Sqm	1099.10	10.34	11365.79
20	DAR-2022 (Electrical rate analysis), Item 5.4 page 299-300	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	Each	7945	2.00	15890.00
21	DAR-2022 (Electrical rate analysis), Item 6.2 page 310	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I.tube, having single prong at top, with 85 mm dia 6 mm thick G.I.base plate including holes etc. complete as required.	Each	551	1.00	551.00
22		Total(Rs.)				178892.08
23		Say(Rs.)				2.00

  
JE (Civil)

  
SM (Civil)

Subansiri Upper HE PROJECT						
Abstract of Cost						
Name of work: Construction of shelter for site selected for MEQ&LET studies of Subansiri Upper HE Project, Daporijo, Arunachal Pradesh.						
Part:-B Name of the station:- Tapi						
Sl. No.	Based on Analysed rates of	Item description	Unit	Rate	Qty.	Amount (Rs.)
1	APAOR-2021 (Building) Item 2.25 Page 29	Surface dressing of the ground, including removing vegetation and inequalities not exceeding 15 cm depth and disposal of rubbish, lead upto 50 m and lift upto 1.50m.	sqm	11.12	12.25	136.22
2	APAOR-2021 (Building) Item 2.4 Page 27	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	Cum	296.92	4.57	1356.92
3	APAOR-2021 (Building) Item 4.6(a) Page 31	Providing and laying cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) excluding the cost of centring an shuttering in: a) Foundations and plinth	Cum	8736.50	0.48	4193.52
4	APAOR-2021 (Building) Item 5.7(a) Page 34	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring, shuttering and reinforcement. a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	Cum	17852.00	0.98	17494.96
4	APAOR-2021 (Building) Item 5.19(b) Page 36	Reinforcement of RCC work including bending, binding and placing in position complete.	kg	98.00	98.00	9604.00
5	APAOR-2021 (Building) Item 6.2 Page 39	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement : 4 fine sand).	Cum	15479.30	0.99	15324.51
6	APAOR-2021 (Building) Item	Centring and shuttering including strutting, propping etc and removal of form work for : a) Foundation, footings, bases of columns etc. and mass concrete.	Sqm	371.80	9.92	3688.26
7	APAOR-2021 (Building)	Centring and shuttering including strutting proping etc. and removal of form work for Columns, pillars and piers.	Sqm	624.84	8.45	5279.91
8	APAOR-2021 (Building) Item 6.12 Page 39	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	Sqm	1740	13.02	22654.80
9	APAOR-2021 (Building) Item 6.13 Page 39	Extra for half brickmasonry in superstructure above plinth level and up to floor two level.	sqm	41.22289	13.02	536.66

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10	APAOR-2021 (Building) Item 4 8(a) Page 31	Providing and laying cement concrete 1 : 1.5 : 3 (1 cement : 1.50 coarse sand : 3 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in foundation and plinth.	Cum	11769.00	0.79	9297.51
11	APAOR-2021 (Building)	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	Cum	2451.80	1.22	2991.20
12	APAOR-2021 (Building) Item 13.1	12 mm cement plaster 1 : 3 (1 cement : 3 fine sand).	Sqm	253.22	35.00	8862.70
13	APAOR-2021 (Building) Item 11.2(c) Page 53	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement. (c) 75 mm thick.	Sqm	968.00	2.43	2352.24
14	APAOR-2021 (Building) Item 9.2 Page 44	Providing best available local wood (Class - B II) work in frames of false ceiling, partitions and trusses etc, sawn and put up in position.	Ten Cudm	486.20	20.66	10044.89
15	APAOR-2021 (Building) Item 9.1	Providing approved best available local wood (Class - B II) work in frames of doors, windows clerestory windows and other frames, wrought framed and fixed in position.	Ten Cudm	524.40	2.28	1195.63
16	APAOR-2021 (Building) Item 9.5 Page 44	Providing and fixing 44 mm thick best available local wood Class - B I (19 mm batten and 25 mm bracing) battened and braced doors and windows shutters including providing and fixing necessary bright finished or black enamelled T-hinges, butt hinges, sliding door bolts, tower bolts and handles with necessary bolts and nuts and screws complete	Sqm	2548.00	1.24	3159.52
17	APAOR-2021 (Building) Item 12.14 Page 60	Providing and fixing 12 mm thick insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately)	Sqm	1456.00	3.24	4717.44
18	APAOR-2021 (Building) Item 12.1(b) Page 59	Providing corrugated G.I. sheet roofing fixed with galvanised iron J or L hooks, bolts & nuts 8 mm dia with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete, excluding the cost of purlins, rafters and trusses. b) 0.63mm thick GI sheet	Sqm	1074.10	10.04	10783.96
19	DAR-2022 (Electrical rate analysis), Item 5.4 page 299-	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	Each	7945	2.00	15890.00
20	DAR-2022 (Electrical rate analysis), Item 6.2 page 310	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	551	1.00	551.00
Total (Rs.)						150115.85
Say (Rs.)						150116.00

JE (Civil)


  
SM (Civil)

7

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## SUBANSIRI UPPER HE PROJECT

## Abstract of Cost

Name of work: Construction of shelter for selected site, i.e. near TATO for MEQ&LET studies of Subansiri Upper Project, Daporijo, Arunachal Pradesh.

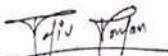
Part:- D Name of station: Tato

Sl. No.	Analysed rates based on	Item description	Unit	Rate	Qty.	Amount (Rs.)
1	APAOR-2021 (Building) Item 2.25 Page 29	Surface dressing of the ground, including removing vegetation and inequalities not exceeding 15 cm depth and disposal of rubbish, lead upto 50 m and lift upto 1.50m.	sqm	11.1	12.25	135.98
2	APAOR-2021 (Building) Item 2.4 Page 27	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	Cum	296.47	4.57	1355.4608
3	APAOR-2021 (Building) Item 4.6(a) Page 31	Providing and laying cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) excluding the cost of centring an shuttering in: a) Foundations and plinth.	Cum	10854.20	0.48	5210.016
4	APAOR-2021 (Building) Item 5.7(a) Page 34	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring, shuttering and reinforcement. a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	Cum	20921.4	0.98	20579.96
5	APAOR-2021 (Building) Item 5.19(b) Page 36	Reinforcement of RCC work including bending, binding and placing in position complete.	kg	99.00	98.00	9702.00
6	APAOR-2021 (Building) Item 6.2 Page 39	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement :4 fine sand).	Cum	17587.00	0.99	17474.44
7	APAOR-2021 (Building) Item 5.12(a) Page 35	Centring and shuttering including strutting, propping etc and removal of form work for : a) Foundation, footings, bases of columns etc. and mass concrete.	Sqm	374.50	9.92	3715.04
8	APAOR-2021 (Building) Item 4.9(c) Page 32	Centring and shuttering including strutting proping etc. and removal of form work for Columns, pillars and piers.	Sqm	630.00	8.45	5322.24
9	APAOR-2021 (Building) Item 6.12 Page 39	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	Sqm	1943.00	13.02	25294.95
	APAOR-2021 (Building) Item 6.13 Page 39	Extra for half brickmasonry in superstructure above plinth level and up to floor two level.	sqm	41.16	13.02	535.85
10	APAOR-2021 (Building) Item 4.8(a) Page 31	Providing and laying cement concrete 1 : 1.5 : 3 (1 cement : 1.50 coarse sand : 3 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in foundation and plinth.	Cum	14011.00	0.79	11065.19

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11	APAOR-2021 (Building) Item 2.22 Page 28	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	Cum	3820.10	1.22	4667.21
12	APAOR-2021 (Building) Item 13.1 Page 65	12 mm cement plaster 1 : 3 (1 cement : 3 fine sand).	Sqm	282.81	35.00	9899.06
13	APAOR-2021 (Building) Item 11.2(c) Page 53	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement. (c) 75 mm thick.	Sqm	1135.00	2.43	2758.05
14	APAOR-2021 (Building) Item 9.2 Page 44	Providing best available local wood (Class - B II) work in frames of false ceiling, partitions and trusses etc, sawn and put up in position.	Ten Cudm	498.30	20.66	10292.39
15	APAOR-2021 (Building) Item 9.1 Page 44	Providing approved best available local wood (Class - B II) work in frames of doors, windows clerestory windows and other frames, wrought framed and fixed in position.	Ten Cudm	529.40	2.28	1206.04
16	APAOR-2021 (Building) Item 9.5 Page 44	Providing and fixing 44 mm thick best available local wood Class - B I (19 mm batten and 25 mm bracing) battened and braced doors and windows shutters including providing and fixing necessary bright finished or black enamelled T-hinges, butt hinges, sliding door bolts, tower bolts and handles with necessary bolts and nuts and screws complete	Sqm	2556.00	1.24	3163.05
17	APAOR-2021 (Building) Item 12.14 Page 60	Providing and fixing 12 mm thick insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately)	Sqm	1454.00	3.24	4710.96
18	APAOR-2021 (Building) Item 12.1(b) Page 59	Providing corrugated G.I. sheet roofing fixed with galvanised iron J or L hooks, bolts & nuts 8 mm dia with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete, excluding the cost of purlins, rafters and trusses. b) 0.63mm thick GI sheet	Sqm	1088.80	10.34	11259.28
19	DAR-2022 (Electrical rate analysis), Item 5.4 page 299-300	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	Each	7945.00	2.00	15890.00
20	DAR-2022 (Electrical rate analysis), Item 6.2 page 310	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	551.00	1.00	551.00
		Total(Rs.)				164788.15
		Say(Rs.)				164788.00

  
JE(CIVIL)

  
SM(CIVIL)

## SUBANSIRI UPPER HE PROJECT

## Abstract of Cost

Name of work: Construction of shelter for selected site, i.e. Margam Kato (Kamba) for MEQ&LET studies of Subansiri Upper HE Project, Daporijo, Arunachal Pradesh.

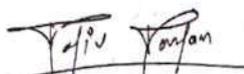
Part: C Name of station: Margam Kato(Kamba)

Sl. No.	Analysed rates based on	Item description	Unit	Rate	Qty.	Amount (Rs.)
1	APAOR-2021 (Building) Item 2.25 Page 29	Surface dressing of the ground, including removing vegetation and inequalities not exceeding 15 cm depth and disposal of rubbish, lead upto 50 m and lift upto 1.50m.	sqm	11.1	12.25	135.98
2	APAOR-2021 (Building) Item 2.4 Page 27	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	Cum	296.47	3.85	1141.41
3	APAOR-2021 (Building) Item 4.6(a) Page 31	Providing and laying cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) excluding the cost of centring an shuttering in: a) Foundations and plinth	Cum	11757.00	0.48	5643.36
4	APAOR-2021 (Building) Item 5.7(a) Page 34	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring, shuttering and reinforcement. a) M20 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	Cum	21675.80	0.98	21242.28
5	APAOR-2021 (Building) Item 5.19(b) Page 36	Reinforcement of RCC work including bending, binding and placing in position complete.	kg	97.00	98.00	9506.00
6	APAOR-2021 (Building) Item 6.2 Page 39	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement :4 fine sand).	Cum	15645.00	0.99	15544.87
7	APAOR-2021 (Building) Item 5.12(a) Page 35	Centring and shuttering including strutting, propping etc and removal of form work for : a) Foundation, footings, bases of columns etc. and mass concrete.	Sqm	376.50	9.92	3734.88
8	APAOR-2021 (Building) Item 4.9(c) Page 32	Centring and shuttering including strutting propping etc. and removal of form work for Columns, pillars and piers.	Sqm	634.00	8.45	5356.03
9	APAOR-2021 (Building) Item 6.12&6.13 Page 39	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth. Extra for half brickmasonry in superstructure above plinth level and up to floor two level. (cost of superstructure and extra for superstructure.)	Sqm	41.16	13.02	535.84
10	APAOR-2021 (Building) Item 4.8(a) Page 31	Providing and laying cement concrete 1 : 1.5 : 3 (1 cement : 1.50 coarse sand : 3 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in foundation and plinth.	Cum	14585.00	0.79	11518.50

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11	APAOR-2021 (Building) Item 2.22 Page 28	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	Cum	4693.10	1.22	5725.58
12	APAOR-2021 (Building) Item 13.1 Page 65	12 mm cement plaster 1 : 3 (1 cement : 3 fine sand).	Sqm	281.92	35.00	9867.90
13	APAOR-2021 (Building) Item 11.2(c) Page 53	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement. (c) 75 mm thick.	Sqm	1188.00	2.43	2886.84
14	APAOR-2021 (Building) Item 9.2 Page 44	Providing best available local wood (Class - B II) work in frames of false ceiling, partitions and trusses etc, sawn and put up in position.	Ten Cud m	502.00	20.66	10371.32
15	APAOR-2021 (Building) Item 9.1 Page 44	Providing approved best available local wood (Class - B II) work in frames of doors, windows clerestory windows and other frames, wrought framed and fixed in position.	Ten Cud m	533.80	2.28	1216.06
16	APAOR-2021 (Building) Item 9.5 Page 44	Providing and fixing 44 mm thick best available local wood Class - B I (19 mm batten and 25 mm bracing) battened and braced doors and windows shutters including providing and fixing necessary bright finished or black enamelled T-hinges, butt hinges, sliding door bolts, tower bolts and handles with necessary bolts and nuts and screws complete	Sqm	2567.00	1.24	3176.66
17	APAOR-2021 (Building) Item 12.14 Page 60	Providing and fixing 12 mm thick insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately)	Sqm	1454.00	3.24	4710.96
18	APAOR-2021 (Building) Item 12.1(b) Page 59	Providing corrugated G.I.sheet roofing fixed with galvanised iron J or L hooks, bolts & nuts 8 mm dia with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete, excluding the cost of purlins, rafters and trusses. b) 0.63mm thick GI sheet	Sqm	2128.30	10.04	21368.13
19	DAR-2022 (Electrical rate analysis), Item 5.4 page 299-300	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	Each	7945	2.00	15890.00
20	DAR-2022 (Electrical rate analysis), Item 6.2 page 310	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I.tube, having single prong at top, with 85 mm dia 6 mm thick G.I.base plate including holes etc. complete as required.	Each	551	1.00	551.00
			Total(Rs.)			150123.62
			Say(Rs.)			150124.00

  
JE (Civil)

  
SM (Civil)



**एन एच पी सी लिमिटेड**  
(भारत सरकार का एक नवरात्रि उद्यम)  
**NHPC Limited**  
(A Government of India Navratna Enterprise)



**सुबनसिरी ऊपरी जल विद्युत परियोजना**  
**Subansiri Upper HE Project**  
Village Sippi, PO&PS – Daporijo,  
Dist Upper Subansiri,  
Arunachal Pradesh – 791122  
Email: subansirupper@nhpc.nic.in

### Scope of Work

The scope of work shall be as per BOQ/AOC and shall be executed as specifications or as directed by the Engineer-in-Charge at site.

**SM (Civil)**

स्वहित एवं राष्ट्रहित में ऊर्जा बचाए / Save Energy for Benefit of Self and Nation  
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