



**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) |
|       | Total Rs.   | 6,43,920.00    |                  |

(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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**एन एच पी सी लिमिटेड**  
(भारत सरकार का एक नवोदय उद्यम)  
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**सुबनसिरी ऊपरी जल विद्युत परियोजना**

**Subansiri Upper HE Project**  
Village Sippi, PO&PS – Daporijo,  
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.

स्वहित एवं राष्ट्रहित में ऊर्जा बचाए / Save Energy for Benefit of Self and Nation  
विजली से संबंधित शिकायतों के लिए / डायल करें 1912Dial 1912 for Complaints on Electricity  
CIN: L40101HR1975GOI032564

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## Abstract of Cost

Name of work: Construction of shelter for selected site, i.e Nacho,Tapi,Margm Kato & Tato for MEQ&LET studies of Subansiri Upper HE Project, Daporijo, Arunachal Pradesh.

| Sl. No. | Item description   | Unit | Qty. | Rate        | Amount (Rs.) |
|---------|--|------|------|-------------|--------------|
| 1       | Construction of shelter for selected site, i.e Nacho for MEQ&LET studies of Subansiri Upper HE Project, Daporijo, Arunachal Pradesh                  | No   | 1    | 178892.00   | 178892.00    |
| 2       | Construction of shelter for selected site, i.e Tapi for MEQ&LET studies of Subansiri Upper HE Project, Daporijo, Arunachal Pradesh                   | No   | 1    | 150116.00   | 150116.00    |
| 3       | Construction of shelter for selected site, i.e.near TATO for MEQ&LET studies of Subansiri Upper Project, Daporijo, Arunachal Pradesh.                | No   | 1    | 164788.00   | 164788.00    |
| 4       | Construction of shelter for selected site, i.e. Near Margm Kato(Kamba) for MEQ&LET studies of Subansiri Upper HE Project,Daporijo, Arunachal Pradesh | No   | 1    | 150124.00   | 150124.00    |
|         |  |      |      |             |              |
|         |  |      |      |             |              |
|         |  |      |      | Total (R.S) | 643920.00    |
|         |  |      |      |             |              |
|         | Rupees Six Lakhs Forty Three Thousands & Nine Hundred Twenty Rupees Only/-   |      |      |             |              |

*Rakesh*  
JE(CIVIL)

SM(CIVIL)

1185866/2025/O/O\_UP\_SUB\_HEP

| 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 and 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     |

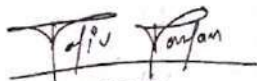
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|    |   |   |                 |         |       |           |
|----|---|---|-----------------|---------|-------|-----------|
| 12 | APAOR-2021<br>(Building) Item<br>2.22 Page 28                       | Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.  | Cum             | 5524.60 | 1.22  | 6749.68   |
| 13 | APAOR-2021<br>(Building) Item<br>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<br>(Building) Item<br>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<br>(Building) Item<br>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<br>Cud<br>m | 505.40  | 20.66 | 10439.04  |
| 16 | APAOR-2021<br>(Building) Item<br>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<br>Cud<br>m | 533.30  | 2.28  | 1214.92   |
| 17 | APAOR-2021<br>(Building) Item<br>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<br>(Building) Item<br>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<br>(Building) Item<br>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<br>(Electrical rate<br>analysis), Item<br>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<br>(Electrical rate<br>analysis), Item<br>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)

1187641/2025/O/o UP SUB HEP

| 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 and 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<br>(Building)<br>Item 4.8(a)<br>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<br>(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<br>(Building)<br>Item 13.1                                 | 12 mm cement plaster 1 : 3 (1 cement : 3 fine sand).  | Sqm         | 253.22   | 35.00 | 8862.70   |
| 13         | APAOR-2021<br>(Building)<br>Item 11.2(c)<br>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<br>(Building)<br>Item 9.2<br>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<br>Cudm | 486.20   | 20.66 | 10044.89  |
| 15         | APAOR-2021<br>(Building)<br>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<br>Cudm | 524.40   | 2.28  | 1195.63   |
| 16         | APAOR-2021<br>(Building)<br>Item 9.5<br>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<br>(Building)<br>Item 12.14<br>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<br>(Building)<br>Item 12.1(b)<br>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<br>(Electrical<br>rate<br>analysis),<br>Item 5.4<br>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<br>(Electrical<br>rate<br>analysis),<br>Item 6.2<br>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)

7


  
SM (Civil)

1185816/2025/O/O\_UP\_SUB\_HEP

| 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 and 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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1185856/2023/O/O\_UP\_SUB\_HEP

|    |   |  |          |         |       |           |
|----|---|--|----------|---------|-------|-----------|
| 11 | APAOR-2021<br>(Building)<br>Item 2.22<br>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<br>(Building)<br>Item 13.1<br>Page 65                    | 12 mm cement plaster 1 : 3 (1 cement : 3 fine sand).   | Sqm      | 282.81  | 35.00 | 9899.06   |
| 13 | APAOR-2021<br>(Building)<br>Item 11.2(c)<br>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<br>(Building)<br>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<br>(Building)<br>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<br>(Building)<br>Item 9.5 Page 44                        | Providing and fixing 44 mm thick best available local wood Class - B II (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<br>(Building)<br>Item 12.14<br>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<br>(Building)<br>Item 12.1(b)<br>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<br>(Electrical rate analysis),<br>Item 5.4<br>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<br>(Electrical rate analysis),<br>Item 6.2<br>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)

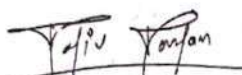
  
SM(CIVIL)

| 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 and 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<br>(Building) Item<br>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<br>(Building) Item<br>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<br>(Building) Item<br>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<br>(Building) Item<br>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<br>Cud<br>m | 502.00  | 20.66 | 10371.32  |
| 15         | APAOR-2021<br>(Building) Item<br>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<br>Cud<br>m | 533.80  | 2.28  | 1216.06   |
| 16         | APAOR-2021<br>(Building) Item<br>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<br>(Building) Item<br>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<br>(Building) Item<br>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<br>(Electrical rate<br>analysis), Item<br>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<br>(Electrical rate<br>analysis), Item<br>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  
बिजली से संबंधित शिकायतों के लिए / डायल करें 1912 Dial 1912 for Complaints on Electricity  
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