-313-

SCHEME PROPOSALS FOR RAISING OF PENAL COMPENSATORY AFFORESTATION SCHEME FOR
DIVERSION OF FOREST LAND IN RESERVE FOREST FOR FORMATION OF ROAD FROM REDDYPALLY TO KANAKANUR IN AZAMNAGAR RANGE IS IDENTIFIED IN KARIMNAGAR EAST FOREST DIVISION OF FOREST DIVISION) WARANGAL CIRCLE

| District of Note of | 7-1 | T | 1 | V | T | - | 1 | | | been | 1 | -1 | | in the same of | T | 1 | | | T | 1 | | - | | >1. | 2 | | | | | |
|--|------------------------|-------|--------|--|--------------------------|--------------------|--------------------------|---------|------------------------|------|----------------------|-----------------------|----------------|--------------------------|-------|-----------|----------------------------|----------------------------|------------------------|-----------------------|------------------|--------------------------------|----------------------------|----------------------|------------------|----------------------|---|-----------------|---------|-------------------|
| 2016-17 2017-18 2018-19 2017 | OIII | - | 1.10 | VII H | aco | VI Wi | Dr | | _ | | | | | II Pu | | | 51 | + | 0 | | P) | - | 10 | R | A | | | 8. 2 | | |
| 2016-17 2017-18 2019-19 2019 | verhead Misc Exp (10%) | TOTAL | | III III III III III III III III III II | cessories of Supervisory | th Solar pump with | illing of Borewell along | th gate | rection of RCC pillars | cino | rection of chainlink | ansportation of soils | Tall Securings | irchase & Iransportation | | SUB-TOTAL | h Year Maint of Plantation | h Year Maint of Plantation | d rear Manicor Lamadon | A Late of Blands from | nd Year Maint.or | Of Teat Diminion & Proposition | + Year Maint of Plantation | aising of Plantation | dvance Operation | aising of Plantation | | Item of work | | |
| 2007-18 2008-19 2008 | | | | | | | | | | | | | | | | | | | | | | | | | 2.197 | | ı | Phy | | |
| 2007-18 2007-19 2009 | | | | | | | | | | | | | | | | | | | | | | | | | 26000 | | F | Rate | 2016-17 | |
| 2017-18 2018-19 2018 | 18.767 | 1 706 | 16.490 | 2000 | 5.000 | | 6.120 | | 0.920 | | 4.450 | | | | | 0.571 | | | | | | | | | 0.571 | | | | | |
| 1281 | | | | | | | | | | | | | | DUDG | -000 | | | | | | | | | 2.197 | | | | ² hy | | |
| 1.281 | | | | | | | | | | | | | | ò | 70 | | | | | | | | | 58300 | | | 1 | Rate | 2017-18 | |
| 25000 Rate 25000 0.549 Amount in lakhs Phy Rate 2197 16000 0.352 Phy Rate 2197 5000 0.110 0.549 0.053 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0 | 7,459 | 0.678 | 6.781 | 5,500 | | | | | | | | | 2.000 | 0.000 | 3 500 | 1.251 | 200 | | | | | | | 1.281 | | | | | | |
| Amount in lakhs Phy Rate | | | | | | | | | | | | | | | | | | | | | | | 2.197 | | | | | Phy | | |
| December Control of the International Co | | | | | | | | | | | | | | | | | | | | | | | 25000 | | | | | Rate | 2018-19 | - |
| Rate Amount in lakhs Phy Rate Phy Rate Phy Phy Rate Phy | 0.00. | 0.055 | 0.549 | 0.000 | | | | | | | | | | | | 0 | 0.549 | | | | | | 0.549 | | | | | | | - |
| Amount in lakhs Phy Rate | | | | | | | | | | | | | | | | | | | | | 1:17 | 2 107 | | | | | | Phy | | |
| Phy Rate 0.110 0.110 0.110 0.121 0.121 0.133 Phy Rate Amount in lakhs Phy Rate Amount in lakhs Phy Rate 0.121 0.132 0.133 0.132 0.145 2.197 0.100 0.100 0.100 0.100 0.100 0.110 0.1 | | | | | | | | | | | | | | | | | | | | | 9 | 16000 | | | | | | Rate | 2019-20 | 2020 |
| Rate Amount in lakhs Phy Rate Phy Rate Phy Rate Phy | | 0.387 | 0.335 | 0.000 | | | | | | | | | | | | | 0.352 | | | | | 0.352 | | | | | | | | |
| 0.110 O.110 O.110 O.110 O.110 O.110 O.121 O.121 O.121 O.133 O.132 O.145 O.132 O.145 O.110 O.1110 O.11100 O.1110 | | | | | | | | | | | | | | | | | | | | 2.19/ | | | | | | | | Phy | | |
| 2197 | | | | | | | | | | | | | | | | | | | | 5000 | | | | | | | | Rate | 1000 | 11/11/11 |
| Rate Amount in lakhs Phy Phy Rate Phy | | 0.121 | 0.011 | 0.110 | 0 000 | | | | | | | | | | | | 0.110 | | | 0.110 | 0110 | | | | | | | | | |
| Amount in lakhs 2.197 6000 0.121 0.121 0.121 Amount in lakhs Phy Rate 0.132 0.133 0.145 2.22 2.22 2.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Phy | | |
| 2197 Phy Rate 0.132 Amount in lakhs | | - | 0 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amount in lakhs 2.2 2.2 2.5 0.00000000000000000000000000 | | 0.133 | 0.012 | 1.121 | 1.000 | | | | | | | | | | | | 0.121 | | 0.121 | | | | | | | | | | 1 | |
| 0.132 Amount in lakhs 0.145 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | # | > | | | | | | | | | | | | | | | | | | | | | | | - | | | Phy | | The second second |
| 22222 | 2 | 1 | 0.01 | 0.13 | 0.00 | | | | | | | | | | | | 0.1 | | | | | | | | | | | Amou | int | |
| 131 100 100 120 120 120 130 131 131 131 131 131 131 131 131 13 | | + | + | + | | 5,000 | | 0.1 | | - | 0.920 | | 4.450 | 2,000 | | 3.500 | 32 3.115 | | 0.121 | | 0110 | 0.352 | | 0.549 | 1 | 1.76.0 | | Gran | d to | 1 |

GRAND TOTAL

Advance Operation for Raising of NTSH Plantation 3 X 3 M. (SMM)

| No | Item of work | Code | Qty | Rate | Units | Amount |
|----|--|----------|------|----------|------------|--------|
| | Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform by end of December. | 02.08.01 | 1.00 | 311.04 | Plantation | 311 |
| 2 | Clearing unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, Jitregi, Billudu, Chenangi etc. and NTFP species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tuniki, Chinta, Usuri, Nallajeedi etc.); Spreading the cut material all over the site; and Burning the same twice till completely burnt. The unsuitable area shall be excuded from the clearing opearation and the expenditure shall be incurred for effective area only. All the above operations shall be completed before December. | | | | | |
| a | Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on field inspection of DFO. | 02.08.04 | 1.00 | 5207.65 | На. | 5208 |
| 3 | Uprootal of Stumps (excluding unsuitable patches) to a minimum depth of 45 cm with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal, and levelling. For retrived encroached area, the approval of Circle Head is required and the approval should indicate clearly the density of stumps or vegetation to be removed through uprootal. The uprootal work can be carried out preferably through tender process. | | | | | |
| a | Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO | 02.08.07 | 1.00 | 10965.25 | На. | 10965 |
| 4 | Collection and Removal of Uprooted Stumps of all sizes, other debris etc., to outside the plantation site. | | | | | |
| | Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO. | 02.08.10 | 1.00 | 8585.68 | На. | 8586 |
| 5 | LS for unforeseen item of work | | | | | 930 |
| | For 2016-17 | | | | | 26000 |

Raising of NTSH Plantation 3x3M (Semi Mechanical Method)

| A | | FSR Item | 1 | | | | |
|--|--|----------|---------|---------|--------------------|------|--------|
| No. | Item of work | No. | Qty | Rate | Rate incl. 20% IAA | Per | Amount |
| | Deep Ploughing the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough (FOR UNTILLED AREA) - to be completed by 15th of June | | | | | | |
| 1 | Hard soils like gravel and morum | 02.09.02 | 1 | 4510.05 | 5412.06 | Ha | 5412 |
| - 1 | Removing congestion of root suckers and other uprooted material hindering the effective ploughing | 02.09.04 | Terrori | 853.42 | 1024.10 | На | 1024 |
| (*!) | Alignment and staking including laying base line for Misc with espacement 3m x 3m (1111 Nos) | 02.09.07 | 1111 | 74.20 | 89.04 | 100 | 989 |
| 1 | Cost of 0.45 M stake preparation and transportation to site | 02.09.09 | 1111 | 47.30 | 56.76 | 100 | 631 |
| () in the second constitution of the second con | Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil (Digging of 45 cm cube pits) | 02.09.11 | 1111 | 8.84 | 10.61 | each | 11785 |
| (C) | Transportation of bag plants from nursery site to plantation site including loading and unloading (6x12 bag size) Total:60 KMs | | | | | | |
| Naga speak | Upto 5 KMs | 02.09.13 | 1111 | 96.79 | 96.79 | 100 | 1075 |
| A) y gradu Osten er | For every extra km beyond 5 km upto 25 km (20 Kms) | 02.09.16 | 1111 | 67.60 | 67.60 | 100 | 751 |
| D. Salaman | For every extra km beyond 25 km (with prior written approval of Circle Head) (35 Kms) | 02.09.19 | 1111 | 59.15 | 59.15 | 100 | 657 |
| 7 | Internal transportation of bag plants to planting points on head loads | 02.09.22 | 1111 | 76.25 | 91.50 | 100 | 1017 |
| 8 | Planting bag plants (45cmx45cmx45cm pits) | 02.09.27 | 1111 | 363.37 | 436.04 | 100 | 4844 |
| 9 | Circular weeding to a radius of 0.50 m around the plant (during July - Aug) | 02.09.31 | 1111 | 103.79 | 124.55 | 100 | 1384 |
| | Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec.) | 02.09.32 | 1111 | 545.08 | 654.10 | 100 | 7267 |

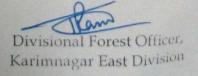
| | Item of work | FSR Item | | 319- | Rate incl. | | |
|----|--|----------|------|----------|------------|-----|--------|
| A | | No. | Qty | Rate | 20% IAA | Per | Amount |
| 行 | placement of Casualities 20% (Bag plants) (1111x20%=222 Nos) | 02.09.29 | | | 2070 TAX | | |
| | Pitting (50% rate) | 02.09.11 | 222 | 442.00 | 530.40 | 100 | 1177 |
| | Planting(50% rate) | 02.09.27 | 222 | 181.69 | 218.02 | 100 | 484 |
| | Transportation: Upto 5 KMs(50% rate) | 02.09.13 | 222 | 48.40 | 51.85 | 100 | 115 |
| | Above 5 KMs (55 Kms) (50% rate) | 02.09.16 | 222 | 33.80 | 99.00 | 100 | 220 |
| | Internal transportation (50% rate) | 02.09.22 | 222 | 38.13 | 45.75 | 100 | 102 |
| 2 | Inter-ploughing (during November) the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough (Hard gravelly soil) | 02.09.34 | 1.00 | 2810.70 | 2810.70 | На | 2811 |
| 3 | Cost of Chemical fertilisers | 02.09.25 | 1111 | As per a | ctuals | | 2222 |
| 4 | Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application. | 02.09.30 | 1111 | 32.62 | 39.14 | 100 | 435 |
| 15 | Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the encorporation of raising year. (7500x9M=67500/30=2250) | 02.09.38 | 1 | 2250 | 2250 | PM | 225 |
| 16 | Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed with <i>prior written approval of Circle Head</i> and taking <i>photograph</i> before and after uprootal. The weed removal shall be completed before September-end at any cos | 02.09.36 | 1.00 | 3032.4 | 8 3638.98 | На | 36 |

before inter-ploughing.

17 LS for unforeseen item of work

For 2017-18 (inclu 10% Esca. Charges)

For 2016-17



2709

53000

58300

1st Year maintenance of NTSH Plantation

| SI. No | Item of work | FSR Code | Qty | Rate | Rate incl. 20% IAA | Unit | Amount |
|-----------|---|----------|------|---------|--------------------|------|--------|
| 1 | Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The planting shall be completed by 15th of July. | 02.10.01 | | | | | |
| | Planting - 100% rate | 02.09.27 | 278 | 363.37 | 436.04 | 100 | 1212 |
| | Upto 5 KMs | 02.09.13 | 278 | 96.79 | 96.79 | 100 | 269 |
| | For every extra km beyond 5 km upto 25 km (20 Kms) | 02 09 16 | 278 | 67.60 | 67.60 | 100 | 188 |
| | For every extra km beyond 25 km (with prior written approval of Circle Head) (35 Kms) | 02.09.19 | 278 | 59.15 | 59.15 | 100 | 164 |
| | Internal transport ation-100% rate | 02.09.22 | 278 | 76.25 | 91.50 | 100 | 254 |
| 2 | Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug) | | 1111 | 103.79 | 124.55 | 100 | 1384 |
| 3 | Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec | 02.10.03 | 1111 | 545.08 | 654.10 | 100 | 7267 |
| 4 | | 02.10.04 | 1 | 3032.48 | 3638.98 | На | 3639 |
| | Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. This operation shall be carried out after Mahaveera uprootal is completed. Inter-ploughing should not be used as a means of Mahaveera uprootal. | 02.10.05 | 1 | 2048.90 | 2048.90 | На | 204 |
| (| Pruning of lower branch initials of Timber an NTFP species by scicature upto 1/3 rd height (to be done during July-Aug) | | 1 | 103.19 | 123.83 | Ha | 1 |

-323

| Oratection: One Watcher is allowed | | | | | |
|--|---|------|------|----|-------|
| Cost of Protection: One Watcher is allowed 10-30 ha. plantation; One more Watcher more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in- charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. (7500x12M=90000/30=3000) | 1 | 3000 | 3000 | PM | 3000 |
| 8 LS for unforeseen item of work | | | | | 900 |
| For 2016-17 | | | | | 20450 |
| For 2017-18 (inclu 10% Esca. Charges) | | | | | 22495 |
| For 2018-19 (inclu 10% Esca. Charges) | | | | | 24745 |
| | | | | OR | 25000 |

2nd Year maintenance of NTSH Plantation

| SI. No | | FSR Code | Qty | Rate | Rate incl. 20% IAA | Unit | Amount |
|--|---|----------|------|--------|-----------------------|------|--------|
| The state of the s | Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug) | 02.11.01 | 1111 | 545.08 | 654.10 | 100 | 7267 |
| 2 | Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be carried out during July-Aug) | 02.11.02 | 1111 | 103.19 | 123.83 | 100 | 1376 |
| 3 | Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. (7500x12M=90000/30=3000) | 02.11.04 | 1 | 3000 | 3000 | PM | 3000 |
| 4 | LS for unforeseen item of work | | | | | | 357 |
| | For 2016-17 | | | | | | 12000 |
| | For 2017-18 (inclu 10% Esca. Charges) | | | | | | 13200 |
| | For 2018-19 (inclu 10% Esca. Charges) | | | | | | 14520 |
| 1 | For 2019-20 (inclu 10% Esca. Charges) | | | | | | 15972 |
| | | | | | | OR | 16000 |

3rd Year maintenance of NTSH Plantation

| | SI. No | Item of work | FSR Code | Qty | Rate | Rate incl. 20% IAA | Unit | Amount |
|---|-----------|---|----------|-----|------|--------------------|------|--------|
| | 1 | Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. (7500x12M=90000/30=3000) | | 1 | 3000 | 3000 | PM | 3000 |
| - | 2 | LS for unforeseen item of work | | | | | | 357 |
| | | For 2016-17 | | | | | | 3357 |
| | | For 2017-18 (inclu 10% Esca. Charges) | | | | | | 3693 |
| | | For 2018-19 (inclu 10% Esca. Charges) | | | | | | 4062 |
| | | For 2019-20 (inclu 10% Esca. Charges) | | | | | | 4468 |
| | | For 2020-21 (inclu 10% Esca. Charges) | | | | | 0.7 | 4915 |
| | | | | | | | OR | 5000 |

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UNIT COST 1.00 Ha

4th Year maintenance of NTSH Plantation

| SI. No | Item of work | FSR Code | Qty | Rate | Rate incl. | Unit | Amount |
|-----------|---|----------|-----|------|------------|------|--------|
| 1 | Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. (7500x12M=90000/30=3000) | | 1 | 3000 | 3000 | PM | 3000 |
| 2 | LS for unforeseen item of work | | | | | | 357 |
| | For 2016-17 | | | | | | 3357 |
| | For 2017-18 (inclu 10% Esca. Charges) | | | | | | 406 |
| | For 2018-19 (inclu 10% Esca. Charges) | | | | | | 446 |
| | For 2019-20 (inclu 10% Esca. Charges) | | | | | | 491 |
| | For 2020-21 (inclu 10% Esca. Charges) | | | | | | 540 |
| | For 2021-22 (inclu 10% Esca. Charges) | | | | | OR | |

5th Year maintenance of NTSH Plantation

| SI. No | Item of work | FSR Code | Qty | Rate | Rate incl. 20% IAA | Unit | Amount |
|---------------------|---|----------|-----|------|-----------------------|------|--------|
| | Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. (7500x12M=90000/30=3000) | | 1 | 3000 | 3000 | PM | 3000 |
| 2 | LS for unforeseen item of work | | | | | | 357 |
| | For 2016-17 | | | | | | 3357 |
| | For 2017-18 (inclu 10% Esca. Charges) | | | | | | 3693 |
| | For 2018-19 (inclu 10% Esca. Charges) | | | | | | 4062 |
| | For 2019-20 (inclu 10% Esca. Charges) | | | | | | 4468 |
| | For 2020-21 (inclu 10% Esca. Charges) | | | | | | 4915 |
| 100 | For 2021-22 (inclu 10% Esca. Charges) | | | | | | 5406 |
| and the contract of | For 2022-23 (inclu 10% Esca. Charges) | | | | | | 594 |
| | | | | | | OR | 600 |

DETAILED AND ABSTRACT ESTIMATE

Name of the Work: Drilling of Borewell along with 5 HP Submersible Motor with accessories at Kannala

| SI. | Describtion not work | No | L | В | D | Qty | Rate | Unit | Amount |
|-----|--|-------|---|---|---|--------|----------|-------|--------|
| 140 | Drilling of Borewell | | | | | | | | |
| 1 | Drilling 6 1/2" Borewell in all strata includig fixing Casing pipes etc., complete (Rate as per Joint Collector, Karimnagar Proc.No.HD/Drilling of Borewells/2014-15, dt:24.02.2015) | 1×1 | - | | - | 100.00 | 439.00 | 1 Rmt | 43900 |
| 2 | Cost of PVC pipe 180 mm / 6 Kg Sqm for casing including CED & VAT (As per CSSR 2015-16 vide Page No.60) | 1x1 | | | - | 20.00 | 604.00 | 1 Rmt | 12080 |
| 3 | Supply and Delivery of 32 mm dia 12.50 kg HDPE pipe | 1x1 | ~ | - | - | 100.00 | 74.00 | 1 Rmt | 7400 |
| | SUPPLY AND INSTALLATION OF 5 HP SOLAR WATER PUMPING | | | | | | | | |
| | SYSTEM | 1x1 | | | | 20.00 | 13500.00 | each | 270000 |
| 5 | Solar Modules Kirloskar Solar Submersible 5 HP | 1x1 | | | | 1.00 | 64000.00 | each | 64000 |
| | Pump | 1x1 | | | | 1.00 | 74000.00 | each | 74000 |
| 7 | Kirloskar Jalverter J2.9 3 way tracking hot dip Galvanized | 1x1 | | | | 1.00 | 64000.00 | each | 64000 |
| | Module mounting structure | 1x1 | | | | 1.00 | 8500.00 | each | 8500 |
| 8 | Jalverter Box | 1x1 | | | | 1.00 | 9000.00 | each | 9000 |
| 9 | Transportation | 1x1 | | | | 1.00 | 10500.00 | each | 10500 |
| 10 | 2.5 Sqmm Cables | 1x1 | | | | 1.00 | 4500.00 | each | 4500 |
| _ | Earthing Kit | 1 / 1 | | | | 1.00 | 4500.00 | | 5000 |
| | Civil work | | | | | | | | 15000 |
| | Pipes Errection, Installation and | | | | | | | | 24000 |
| | Commissioning | | | | | | TOTAL | | 611880 |

Sig

DETAILED CUM ABSTRACT ESTIMATE

Kannala Beat:Kannala, Section:Ramagundam, Range:Manthani

| | D | 2.1 | Mea | surements | | | | | J. A. H. T. |
|-----|---|--|--|---|---|--|----------------------------------|-----|-------------------------|
| Jo. | Description of work | Nos | L | В | D/H | Qty | Rate | Per | Amoun |
| | Length 585 Mtrs Esp pole to pole:3.00 | Mts (5 | 85/3.00=195 I | Nos+ 15 Suj | | 10 Nos) | | | |
| 1 | Supplying, fitting and placing Mild statechnical specifications for bars below not welded including cost and conveyplacing in position, tying with binding work. | 36mm ance of | dia including steel, bindin | g over laps a ig wire etc., | nd wast lifting c | age, where | e they are steel, | | |
| | Fencing Cement poles:8 mm dia bars | | | | | | | | |
| - | Per pole: 4 Nos: 4x2.20=8.80x210=1848 Rmt x0.39=720.72 or 721 Kgs | | 1x210 | | | 721.00 | | | |
| | Stirrups:Per pole 6Nos:6x0.35=2.10x210=441 Rmtx0.219=96.57 or 97 Kgs | | 1×210 | | | 97.00 | | | |
| 2 | | | | | | 818.00 | 38.45 | Kgs | 31452 |
| | material like cement, sand, coarse agg complete but excluding cost of steel ar Fencing Cement poles | nd its fa | brication cha | rges for finis | shed iter | n of work | , | | |
| | | | | 0.12 | 2.20 | | 040710 | 0 | 56464 |
| 3 | Earth work excavation for foundation etc, complete | | ny and clayey | | | 6.653 | 8487.18 G soils | Cum | 56464 |
| 3 | Fencing Cement poles | 1x195 | ny and clayey | | | 6.653 | 8487.18 G soils | Cum | 56464 |
| 3 | etc, complete | | ny and clayey | soil like BC | ,Red ear | 6.653 th and O | 8487.18 G soils | Cum | 56464 |
| | Fencing Cement poles Support poles | 1x195 1x15 | 0.30 0.30 | soil like BC 0.30 0.30 | ,Red ear | 6.653 th and Oo 10.530 0.405 | G soils | Cum | |
| | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp | 1x195 1x15) mm s | 0.30 0.30 0.30 ize HG metal | soil like BC 0.30 0.30 | ,Red ear | 6.653 th and Oo 10.530 0.405 | G soils | | 1234 |
| | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp | 1x195 1x15 0 mm s lete BL 1x195 | 0.30 0.30 0.30 ize HG metal D-CSTN-3-8 | soil like BC 0.30 0.30 including c | ,Red ear | 6.653 th and Oo 10.530 0.405 | G soils | | |
| | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp | 1x195 1x15 0 mm s lete BL 1x195 | 0.30 0.30 0.30 ize HG metal | soil like BC 0.30 0.30 including c | 0.60 0.30 0.st and | 6.653 th and OO 10.530 0.405 10.935 conveyan | G soils | | |
| | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp Fencing Cement poles Support poles | 1x195 1x15 0 mm s lete BL 1x195 1x15 | 0.30 0.30 0.30 ize HG metal D-CSTN-3-8 0.30 0.30 | soil like BC 0.30 0.30 including c 0.30 0.30 | 0.60 0.30 ost and 0.60 | 6.653 Th and OC 10.530 0.405 10.935 conveyan 10.530 | G soils | | |
| | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp Fencing Cement poles Support poles Deduct Pole size | 1x195 1x15) mm s lete BL 1x195 1x15 | 0.30 0.30 ize HG metal D-CSTN-3-8 0.30 0.30 | 0.30 0.30 including c | 0.60 0.30 ost and 0.60 | 6.653 th and O0 10.530 0.405 10.935 conveyan 10.530 0.405 | G soils | | |
| | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp Fencing Cement poles Support poles | 1x195 1x15 0 mm s lete BL 1x195 1x15 | 0.30 0.30 0.30 ize HG metal D-CSTN-3-8 0.30 0.30 | soil like BC 0.30 0.30 including c 0.30 0.30 | 0.60 0.30 ost and 0.60 0.30 | 6.653 th and O0 10.530 0.405 10.935 conveyan 10.530 0.405 10.935 | G soils | | |
| | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp Fencing Cement poles Support poles Deduct Pole size | 1x195 1x15) mm s lete BL 1x195 1x15 | 0.30 0.30 ize HG metal D-CSTN-3-8 0.30 0.30 | 0.30 0.30 including c | 0.60 0.30 ost and 0.60 0.30 0.60 | 6.653 Th and OC 10.530 0.405 10.935 conveyan 10.530 0.405 10.935 1.685 | G soils | | |
| 4 | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp Fencing Cement poles Support poles Deduct Pole size Support poles | 1x195 1x15 0 mm s lete BL 1x195 1x15 1x15 | 0.30 0.30 0.30 ize HG metal .D-CSTN-3-8 0.30 0.30 | 0.30 0.30 including c | 0.60 0.30 0.60 0.30 0.60 0.30 | 10.530 0.405 10.935 conveyan 10.530 0.405 10.935 1.685 0.065 1.750 | 112.84 ce of all | Cum | 1234 |
| 4 | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp Fencing Cement poles Support poles Deduct Pole size Support poles Support poles Support poles Supply and fixing of Hot dipped Galva including Transportation and labour clarges | 1x195 1x15 0 mm s lete BL 1x195 1x15 1x15 1x195 1x15 | 0.30 0.30 ize HG metal D-CSTN-3-8 0.30 0.30 0.12 0.12 iron Chainlin etc complete | 0.30 0.30 including c | 0.60 0.30 ost and 0.60 0.30 0.60 0.30 | 10.530 0.405 10.935 conveyan 10.530 0.405 10.935 1.685 0.065 1.750 9.185 | 112.84 ce of all | | |
| 5 | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp Fencing Cement poles Support poles Deduct Pole size Support poles Support poles Support poles Around the Park | 1x195 1x15 0 mm s lete BL 1x195 1x15 1x195 1x15 | 0.30 0.30 ize HG metal D-CSTN-3-8 0.30 0.30 | 0.30 0.30 including c | 0.60 0.30 ost and 0.60 0.30 0.60 0.30 | 10.530 0.405 10.935 conveyan 10.530 0.405 10.935 1.685 0.065 1.750 9.185 MM-8 gua cluding fi | 112.84 ce of all 3128.63 ge xing | Cum | 1234 28738 |
| 4 | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp Fencing Cement poles Support poles Deduct Pole size Support poles Support poles Support poles Supply and fixing of Hot dipped Galva including Transportation and labour clarges | 1x195 1x15 0 mm s lete BL 1x195 1x15 1x15 1x195 1x15 | 0.30 0.30 ize HG metal D-CSTN-3-8 0.30 0.30 0.12 0.12 iron Chainlin etc complete | 0.30 0.30 including c | 0.60 0.30 0.30 0.60 0.30 0.60 0.30 76x76 Muage) in | 10.530 0.405 10.935 conveyan 10.530 0.405 10.935 1.685 0.065 1.750 9.185 | 112.84 ce of all | Cum | 1234 28738 321516 |
| 4 | Fencing Cement poles Support poles Plain Cement concrete (1:6:10) using 40 material and labour charges etc., comp Fencing Cement poles Support poles Deduct Pole size Support poles Support poles Support poles Around the Park | 1x195 1x15 0 mm s lete BL 1x195 1x15 1x15 1x195 1x15 | 0.30 0.30 ize HG metal D-CSTN-3-8 0.30 0.30 0.12 0.12 iron Chainlin etc complete | 0.30 0.30 including c | 0.60 0.30 0.30 0.60 0.30 0.60 0.30 76x76 Muage) in | 10.530 0.405 10.935 conveyan 10.530 0.405 10.935 1.685 0.065 1.750 9.185 MM-8 gua cluding fi | 112.84 ce of all 3128.63 ge xing | Cum | 1234 28738 |

DETAILED CUM ABSTRACT ESTIMATE

Name of the work: Construction of RCC Gate pillars with Iron Gate

| 1 | Description of work | Nos | M | easurements | | Qty | Rate | Per | Amou |
|--|--|--|--|--|--|--|---|-----------------|--------------------------------|
| o. | Description of work | | L | В | D/H | | 1 | | |
| l | Supplying, fitting and placing Mild's technical specifications for bars below not welded including cost and convey placing in position, tying with bindir work. | v 36mm vance o | n dia includir of steel - bindi | ng over laps ing wire etc., | and was lifting | charges o | f steel, | | |
| | | | | | | | | | |
| | Gate Pillars 12 mm dia bars: Mesh:pillars 3 Nos: 18x1.1=19.80 Rmt x0.878=17.38 or 18.00 Kgs | | 3x1 | | | 18.00 | | | |
| | 6 mm dia bars: Stirrups:33x1.10=36.30 Rmtx0.21=7.62 or 8.00 Kgs |) | 3x1 | | | 8.00 | | | |
| | 12 mm dia bars: Columns: 12Nosx3.50=42.00 Rmtx0.878=36.87 | | 3x1 | | | 37.00 | | | |
| | or 37.00 Kgs | | | | | 63.00 | 38.45 | Kgs | 2422 |
|) | Earth work excavation for foundation | in loar | ny and clave | v soil like BC | ,Red ea | rth and O | G soils | | |
| | etc, complete | III TOTAL | , c, o, | , | | | | | |
| | Gate Pillars | 3x1 | 1.20 | 1.20 | 1.20 | 5.184 | | | |
| | Citte i mais | | | | | = 101 | 110.04 | Cum | 585 |
| | Reinforced Cement Concrete M-20 No Using 20mm size graded machine crus and conveyance of all material like cer labour charges etc., complete but exclu | shed H nent, sa | ard Granite N and, coarse a | Metal (Coarsi ggregate wal | e aggreg er etc., l | cate) inclu to site inc | luding cost | | |
| | Using 20mm size graded machine crus and conveyance of all material like cer labour charges etc., complete but exclu item of work for Gate Pillars | shed H ment, sa uding co | ard Granite N and, coarse ag ost of steel ar | Metal (Coarso ggregate wal ad its fabrica | e aggreg er etc., tion cha | irse aggre gate) inclu to site inc rges for fi | gate) ding cost luding | | |
| | Using 20mm size graded machine crus and conveyance of all material like cer labour charges etc., complete but exclu item of work for Gate Pillars Footings | shed Hament, sauding co | ard Granite Nand, coarse agost of steel ar | Metal (Coarso ggregate wal ad its fabrica 1.20 | e aggreg er etc., tion cha | urse aggregate) inclusionsite inclusions for final office aggregate aggregat | gate) ding cost luding | | |
| | Using 20mm size graded machine crus and conveyance of all material like cer labour charges etc., complete but exclu item of work for Gate Pillars | shed H ment, sa uding co | ard Granite N and, coarse ag ost of steel ar | Metal (Coarso ggregate wal ad its fabrica | e aggreg er etc., tion cha | irse aggre gate) inclu to site inc rges for fi | gate) ding cost luding | | 7231 |
| | Using 20mm size graded machine crus and conveyance of all material like cer labour charges etc., complete but exclu item of work for Gate Pillars Footings | shed Hament, sanding conding conding conding conding conding conding conding the sanding t | ard Granite Nand, coarse agost of steel ar 1.20 0.90+45/2 nix (Cement: Ard Granite Nand, coarse agost of steel ar | Metal (Coarse ggregate walk and its fabrica 1.20 0.90+45/2 Fine aggregate wat ggregate wat | 0.15 0.45 oate: Cou | urse aggregate) inclusions site incorrections for final operations of the control of the control operations and the control operations are aggregate) inclusions inclusions inclusions and the control operations are aggregate. | gate) ding cost luding nished 5724.45 gate) ding cost uding | | |
| | Using 20mm size graded machine crus and conveyance of all material like certabour charges etc., complete but excluitem of work for Gate Pillars Footings Pedastal Reinforced Cement Concrete M-20 Nor Using 20mm size graded machine crus and conveyance of all material like cemabour charges etc., complete but exclu | shed Hament, sanding conding conding conding conding conding conding conding the sanding t | ard Granite Nand, coarse agost of steel ar 1.20 0.90+45/2 nix (Cement: Ard Granite Nand, coarse agost of steel ar | Metal (Coarse ggregate walk and its fabrica 1.20 0.90+45/2 Fine aggregate wat ggregate wat | 0.15 0.45 oate: Cou | urse aggregate) inclusions site incorrections for final operations of the control of the control operations and the control operations are aggregate) inclusions inclusions inclusions and the control operations are aggregate. | gate) ding cost luding nished 5724.45 gate) ding cost uding | | |
| II II ii Se | Using 20mm size graded machine crus and conveyance of all material like certabour charges etc., complete but excluitem of work for Gate Pillars Footings Pedastal Reinforced Cement Concrete M-20 Nor Using 20mm size graded machine crus and conveyance of all material like certabour charges etc., complete but excluitem of work for Columns | shed Hament, sanding colors and minal minal ment, sanding colors and material sanding | and Granite Mand, coarse agost of steel and 1.20 0.90+45/2 mix (Cement: and Granite Mand, coarse agost of steel and 0.30 size 13.5'x6.5 ials to work steels and steels and size 13.5'x6.5 ials to work steels and 1.5 in the steel and 1.5 in th | Metal (Coarse ggregate wall and its fabrical 1.20 0.90+45/2 Fine aggregate wall (Coarse ggregate wall dits fabricate dits fabricate 0.30 5' including pasite and laborate wall also gregate and laborate dits fabricate and laborate wall also gregate and laborate and laborate gregate and laborate and laborate gregate g | 0.15 0.45 otto: Coulombre aggreger etc., to chain chai | osite inclusions aggregate) inclusions aggregate of the contractions of the contractions are aggregate) inclusions aggregate of the contractions of the contractions aggregate of the cont | gate) ding cost luding nished 5724.45 gate) ding cost uding cost uding nished 8487.18 | Cum | 7231 |
| | Using 20mm size graded machine crus and conveyance of all material like cer labour charges etc., complete but excluitem of work for Gate Pillars Footings Pedastal Reinforced Cement Concrete M-20 Nor Using 20mm size graded machine crus and conveyance of all material like cem abour charges etc., complete but excluitem of work for Columns Columns Columns Supplying and fixing of gate (square pinamel paint cost and conveyance of all | shed Hament, sanding colors and minal minal ment, sanding colors and material sanding | and Granite Mand, coarse agost of steel and 1.20 0.90+45/2 mix (Cement: and Granite Mand, coarse agost of steel and 0.30 size 13.5'x6.5 ials to work steels and steels and size 13.5'x6.5 ials to work steels and 1.5 in the steel and 1.5 in th | Metal (Coarse ggregate wall and its fabrical 1.20 0.90+45/2 Fine aggregate wall (Coarse ggregate wall dits fabricate dits fabricate 0.30 5' including pasite and laborate wall also gregate and laborate dits fabricate and laborate wall also gregate and laborate and laborate gregate and laborate and laborate gregate g | 0.15 0.45 otto: Coulombre aggreger etc., to chain chai | osite inclusions aggregate) inclusions aggregate of fit of the contract of the | gate) ding cost luding nished 5724.45 gate) ding cost uding nished 8487.18 s of emplete 147.00 | Cum | 7231 |
| II i i S e fc | Using 20mm size graded machine crus and conveyance of all material like certabour charges etc., complete but excluitem of work for Gate Pillars Footings Pedastal Reinforced Cement Concrete M-20 Nor Using 20mm size graded machine crus abour charges etc., complete but excluitem of work for Columns Columns Columns Supplying and fixing of gate (square pinamel paint cost and conveyance of all or finished item of work (Qty to be charmed gate (13.5'x6.5') Double shutters | shed Hament, sanding colors and ment, sanding colors and ment, sanding colors arges by the sanding colors are san | and Granite Mand, coarse agost of steel and 1.20 0.90+45/2 mix (Cement: and Granite Mand, coarse agost of steel and 0.30 size 13.5'x6.5 ials to work steels and steels and size 13.5'x6.5 ials to work steels and 1.5 in the steel and 1.5 in th | Metal (Coarse ggregate wall and its fabrical 1.20 0.90+45/2 Fine aggregate wall (Coarse ggregate wall dits fabricate dits fabricate 0.30 5' including pasite and laborate wall also gregate and laborate dits fabricate and laborate wall also gregate and laborate and laborate gregate and laborate and laborate gregate g | 0.15 0.45 otto: Coulombre aggreger etc., to chain chai | urse aggregate) inclusions site inclusions for final octobrish and the site inclusions for final octobrish | gate) ding cost luding nished 5724.45 gate) ding cost uding cost uding nished 8487.18 s of omplete 147.00 per quota | Cum | 7231 6187 51450 |
| II I i i S e fc | Using 20mm size graded machine crus and conveyance of all material like certabour charges etc., complete but excluitem of work for Gate Pillars Footings Pedastal Reinforced Cement Concrete M-20 Nor Using 20mm size graded machine crus and conveyance of all material like cemabour charges etc., complete but excluitem of work for Columns Columns Columns Supplying and fixing of gate (square pinamel paint cost and conveyance of all paint cost and conveyance o | shed Hament, sanding colors and ment, sanding colors and ment, sanding colors arges because the sanding colors arges arguerated the sanding colors are sanding colors a | and Granite Mand, coarse agost of steel and 1.20 0.90+45/2 mix (Cement: and Granite Mand, coarse agost of steel and 0.30 size 13.5'x6.5 ials to work steels and steels and size 13.5'x6.5 ials to work steels and 1.5 in the steel and 1.5 in th | Metal (Coarse ggregate wall and its fabrical 1.20 0.90+45/2 Fine aggregate wall (Coarse ggregate wall dits fabricate dits fabricate 0.30 5' including pasite and laborate wall also gregate and laborate dits fabricate and laborate wall also gregate and laborate and laborate gregate and laborate and laborate gregate g | 0.15 0.45 otto: Coulombre aggreger etc., to chain chai | osite inclusions aggregate) inclusions aggregate of fit of the contract of the | gate) ding cost luding nished 5724.45 gate) ding cost uding cost uding nished 8487.18 s of emplete 147.00 per quota 147.00 | Cum kg tion kg | 7231 6187 51450 |
| II | Using 20mm size graded machine crus and conveyance of all material like certabour charges etc., complete but excluitem of work for Gate Pillars Footings Pedastal Reinforced Cement Concrete M-20 Nor Using 20mm size graded machine crus and conveyance of all material like cemabour charges etc., complete but excluitem of work for Columns Columns Columns Supplying and fixing of gate (square pinamel paint cost and conveyance of all or finished item of work (Qty to be charmed gate (13.5'x6.5') Double shutters Small gate (4'x6.5') Single shutter | shed Hament, sanding colors and ment, sanding colors and ment, sanding colors arges by the sanding colors are san | and Granite Mand, coarse agost of steel and 1.20 0.90+45/2 mix (Cement: and Granite Mand, coarse agost of steel and 0.30 size 13.5'x6.5 ials to work steels and steels and size 13.5'x6.5 ials to work steels and 1.5 in the steel and 1.5 in th | Metal (Coarse ggregate wall and its fabrical 1.20 0.90+45/2 Fine aggregate wall (Coarse ggregate wall dits fabricate dits fabricate 0.30 5' including pasite and laborate wall also gregate and laborate dits fabricate and laborate wall also gregate and laborate and laborate gregate and laborate and laborate gregate g | 0.15 0.45 otto: Coulombre aggreger etc., to chain chai | osite inclusions aggregate) inclusions aggregate of fit of the contract of the | gate) ding cost luding nished 5724.45 gate) ding cost uding cost uding nished 8487.18 s of omplete 147.00 per quota | Cum kg tion kg | 7231 6187 51450 22050 |
| II U a a l l l l l l l l l l l l l l l l l | Using 20mm size graded machine crus and conveyance of all material like certabour charges etc., complete but excluitem of work for Gate Pillars Footings Pedastal Reinforced Cement Concrete M-20 Nor Using 20mm size graded machine crus abour charges etc., complete but excluitem of work for Columns Columns Columns Supplying and fixing of gate (square pinamel paint cost and conveyance of all or finished item of work (Qty to be charmed gate (13.5'x6.5') Double shutters | shed Hament, sanding colors and ment, sanding colors and ment, sanding colors arges by the sanding colors are san | and Granite Mand, coarse agost of steel and 1.20 0.90+45/2 mix (Cement: and Granite Mand, coarse agost of steel and 0.30 size 13.5'x6.5 ials to work steels and steels and size 13.5'x6.5 ials to work steels and 1.5 in the steel and 1.5 in th | Metal (Coarse ggregate wall and its fabrical 1.20 0.90+45/2 Fine aggregate wall (Coarse ggregate wall dits fabricate dits fabricate 0.30 5' including pasite and laborate wall also gregate and laborate dits fabricate and laborate wall also gregate and laborate and laborate gregate and laborate and laborate gregate g | 0.15 0.45 otto: Coulombre aggreger etc., to chain chai | osite inclusions aggregate) inclusions aggregate of fit of the contract of the | gate) ding cost luding nished 5724.45 gate) ding cost uding cost uding nished 8487.18 s of emplete 147.00 per quota 147.00 | Cum kg tion kg | 7231 6187 51450 |