

# FORESTRY

## VISION

- Develop, maintain and maximize forest resources in a scientific, environmentally sustainable, ecologically stable and social acceptable manner.

## GOALS

- Scientific management of the existing public forest estates.
- Creation of new forest resources.
- Management of watersheds to conserve soil and water.
- Management of range lands to boost production of forage and livestock.
- Promotion of social / farm forestry in private lands.
- Establishment of amenity forests and recreational parks.
- Raising strategic plantations.
- Education of public and other government departments for tree planting and provision of technical and advisory services.
- Capacity building of forest sector through strengthening of forest service academy and exploring new way of research through Punjab Forestry Research Institute.

## OBJECTIVES

- Afforestation on compact and linear public forest areas.
- Increase farm trees from 18 to 28 per acre by 2025
- Increase the productivity of rangelands.
- Capacity building of human resource through in-service training
- Address the Climate change and biodiversity conservation challenges
- Provide recreational facilities for public by improving forest parks.

## GROWTH STRATEGY

In view of the overall objectives to preserve, conserve and manage forest resource the department has prioritized its strategic interventions. The major focus of the strategy shall be to enhance tree cover in the province that shall serve both environmental and productive functions of the forest resource. The strategic interventions shall cater for the national obligations towards international protocols/agreements. Forestry is a labor intensive intervention that generates employment opportunities at local level to support socio-economic needs. Besides that the use of large quantum of rangelands supports the livestock sector.

## STRATEGIC INTERVENTIONS:

- Rehabilitation of Shorkot Irrigated Plantation.
- Rehabilitation of Daphar and Pakhowal Irrigated Plantation.
- Rehabilitation of Changa Manga Irrigated Plantation.

- Development of Jallo Forest Safari.
- Development of GIS Based Forest Management Information System in Punjab.
- Strengthening of Forest Services Academy Ghoragali, Murree.
- Implementation of Short Rotation Plantations in Punjab (Shorkot, MLN, BWP and Pakhowal).
- Afforestation on Resumed Land transferred to Forest Department in Chakwal Forest Division.
- Establishment of REDD+ Cell in Punjab at Rawalpindi.
- Survey & Establishment of Orchards of Endangered Species in Punjab.
- Khadam-e-Punjab Rural Roads Project (KPRRP) Phase III
- Afforestation of Blank reaches along Important Highways in the Punjab.
- Establishment and Rehabilitation of Forest Parks in Punjab.
- Improvement and Rehabilitation of Irrigated plantation in Southern; Central & Northern Zone.
- Social Forestry to increase Tree Cover on Farmlands.
- Green Pakistan Program-Reclamation and Development of Forest Areas in Punjab.
- Enhance Rangelands Production and Planting Fodder Trees for Farmer Community.
- Establishment of Forest Park Bahawalpur-89 Acres.
- Combating Smog through Urban Forestry in Punjab.
- Construction & Rehabilitation of Offices and Residences in Punjab.
- Revival of Patisar Lake in Lal Sohanra National Park.
- Afforestation of Blank Areas in Irrigated Plantations of Punjab.
- Biomass Increase in Lal Sohanra National Park Bahawalpur.
- Other Development Programme (South Punjab Forest Company).

### **OUT COME BASED TARGETS 2018-19**

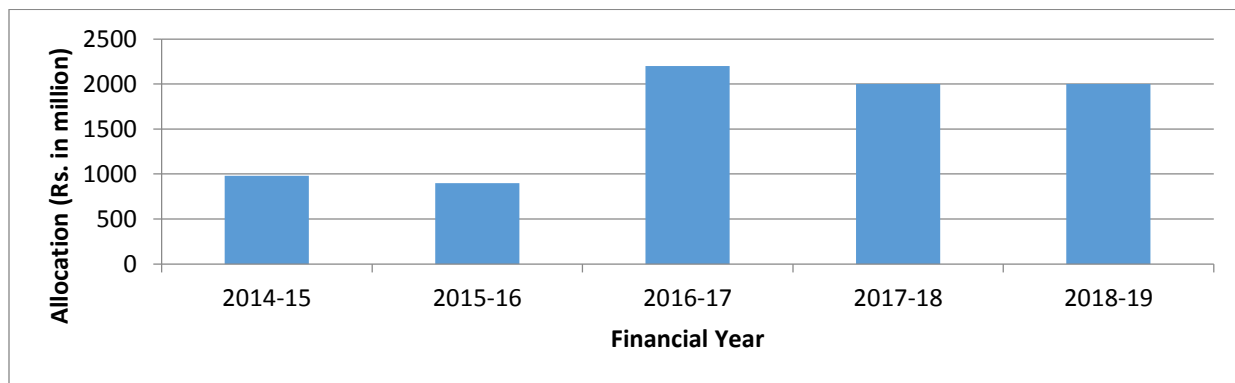
| <b>Activities</b> | <b>Targets</b> |
|-------------------|----------------|
|-------------------|----------------|

|  |        |
|--|--------|
| Compact Plantation (Acres)                               | 15552  |
| Linear plantation (Av. Miles)                            | 776    |
| Raising of Potted Nursery (Million)                      | 4.878  |
| Raising of Bed Nursery (Acres)                           | 10     |
| Reseeding of Grasses (Acres)                             | 13400  |
| Carbon Stock Assessment (Acres) under REDD+ Cell (Acres) | 709535 |
| GIS Mapping of Forest Cover (Acres)                      | 197120 |

### TRENDS OF ALLOCATION

*(Rs. in million)*

| Sr.No.   | Year           | Allocation  |
|----------|----------------|-------------|
| <b>1</b> | <b>2014-15</b> | <b>980</b>  |
| <b>2</b> | <b>2015-16</b> | <b>900</b>  |
| <b>3</b> | <b>2016-17</b> | <b>2200</b> |
| <b>4</b> | <b>2017-18</b> | <b>2000</b> |
| <b>5</b> | <b>2018-19</b> | <b>2000</b> |



**MTDF 2018-21**  
**Forestry: Summary**  
**Development Programme 2018-19**

*(PKR Million)*

| Sub-Sector                              | Local            | F. Aid       | Total            |
|---|------------------|--------------|------------------|
| <b>On-going Schemes</b>                 |                  |              |                  |
| Regular                                 | 1,705.143        | 0.000        | 1,705.143        |
| <b>Total: On-going Schemes</b>          | <b>1,705.143</b> | <b>0.000</b> | <b>1,705.143</b> |
| <b>New Schemes</b>                      |                  |              |                  |
| Regular                                 | 194.857          | 0.000        | 194.857          |
| <b>Total: New Schemes</b>               | <b>194.857</b>   | <b>0.000</b> | <b>194.857</b>   |
| <b>Other Development Program</b>        |                  |              |                  |
| Regular                                 | 100.000          | 0.000        | 100.000          |
| <b>Total: Other Development Program</b> | <b>100.000</b>   | <b>0.000</b> | <b>100.000</b>   |
| <b>Total (Ongoing + New + ODP)</b>      | <b>2,000.000</b> | <b>0.000</b> | <b>2,000.000</b> |

**Development Programme 2019-20**

*(PKR Million)*

| Sub-Sector                              | Local            | F. Aid       | Total            |
|---|------------------|--------------|------------------|
| <b>On-going Schemes</b>                 |                  |              |                  |
| Regular                                 | 1,875.657        | 0.000        | 1,875.657        |
| <b>Total: On-going Schemes</b>          | <b>1,875.657</b> | <b>0.000</b> | <b>1,875.657</b> |
| <b>New Schemes</b>                      |                  |              |                  |
| Regular                                 | 214.343          | 0.000        | 214.343          |
| <b>Total: New Schemes</b>               | <b>214.343</b>   | <b>0.000</b> | <b>214.343</b>   |
| <b>Other Development Program</b>        |                  |              |                  |
| Regular                                 | 110.000          | 0.000        | 110.000          |
| <b>Total: Other Development Program</b> | <b>110.000</b>   | <b>0.000</b> | <b>110.000</b>   |
| <b>Total (Ongoing + New + ODP)</b>      | <b>2,200.000</b> | <b>0.000</b> | <b>2,200.000</b> |

**Development Programme 2020-21**

*(PKR Million)*

| Sub-Sector                              | Local            | F. Aid       | Total            |
|---|------------------|--------------|------------------|
| <b>On-going Schemes</b>                 |                  |              |                  |
| Regular                                 | 2,063.223        | 0.000        | 2,063.223        |
| <b>Total: On-going Schemes</b>          | <b>2,063.223</b> | <b>0.000</b> | <b>2,063.223</b> |
| <b>New Schemes</b>                      |                  |              |                  |
| Regular                                 | 235.777          | 0.000        | 235.777          |
| <b>Total: New Schemes</b>               | <b>235.777</b>   | <b>0.000</b> | <b>235.777</b>   |
| <b>Other Development Program</b>        |                  |              |                  |
| Regular                                 | 121.000          | 0.000        | 121.000          |
| <b>Total: Other Development Program</b> | <b>121.000</b>   | <b>0.000</b> | <b>121.000</b>   |
| <b>Total (Ongoing + New + ODP)</b>      | <b>2,420.000</b> | <b>0.000</b> | <b>2,420.000</b> |

**MTDF 2018-21 : Grand Total**

**6,620.000**

## FORESTRY: SUMMARY

(PKR Million)

| Type / Sub Sector                         | No. of Schemes | Provision for 2018-19 |                  |              |                      | Projection for 2019-20 | Projection for 2020-21 |
|---|----------------|-----------------------|------------------|--------------|----------------------|------------------------|------------------------|
|   |                | Capital               | Revenue          | Foreign Aid  | G. Total (Cap + Rev) |                        |                        |
| <b><u>ON-GOING SCHEMES</u></b>            |                |                       |                  |              |                      |                        |                        |
| Regular                                   | 27             | 0.000                 | 1,705.143        | 0.000        | 1,705.143            | 331.984                | 68.018                 |
| <b>Total: ON-GOING SCHEMES</b>            | <b>27</b>      | <b>0.000</b>          | <b>1,705.143</b> | <b>0.000</b> | <b>1,705.143</b>     | <b>331.984</b>         | <b>68.018</b>          |
| <b><u>NEW SCHEMES</u></b>                 |                |                       |                  |              |                      |                        |                        |
| Regular                                   | 5              | 0.000                 | 194.857          | 0.000        | 194.857              | 587.732                | 278.000                |
| <b>Total: NEW SCHEMES</b>                 | <b>5</b>       | <b>0.000</b>          | <b>194.857</b>   | <b>0.000</b> | <b>194.857</b>       | <b>587.732</b>         | <b>278.000</b>         |
| <b>Total: ADP</b>                         | <b>32</b>      | <b>0.000</b>          | <b>1,900.000</b> | <b>0.000</b> | <b>1,900.000</b>     | <b>919.716</b>         | <b>346.018</b>         |
| <b><u>OTHER DEVELOPMENT PROGRAMME</u></b> |                |                       |                  |              |                      |                        |                        |
| Regular                                   | 1              | 0.000                 | 100.000          | 0.000        | 100.000              | 0.000                  | 0.000                  |
| <b>Total: OTHER DEVELOPMENT PROGRAM</b>   | <b>1</b>       | <b>0.000</b>          | <b>100.000</b>   | <b>0.000</b> | <b>100.000</b>       | <b>0.000</b>           | <b>0.000</b>           |
| <b>Grand Total</b>                        | <b>33</b>      | <b>0.000</b>          | <b>2,000.000</b> | <b>0.000</b> | <b>2,000.000</b>     | <b>919.716</b>         | <b>346.018</b>         |

# Forestry

(PKR Million)

| GS No | Scheme Information<br>Scheme ID / Approval Date / Location | Est. Cost | Accum. Exp. June, 18 | Provision for 2018-19 |      |                     | MTDF Projections |         | Throw fwd Beyond June, 2021 |
|-------|--|-----------|----------------------|-----------------------|------|---------------------|------------------|---------|-----------------------------|
|       |  |           |                      | Cap.                  | Rev. | G.Total (Cap.+Rev.) | 2019-20          | 2020-21 |                             |
| 1     | 2  | 3         | 4                    | 5                     | 6    | 7                   | 8                | 9       | 10                          |

## ON-GOING SCHEMES

### Regular

|      |   |         |         |       |         |         |        |       |       |
|------|---|---------|---------|-------|---------|---------|--------|-------|-------|
| 5714 | Strengthening of Forest Services Academy Ghoragali Murree<br>20-17-29-006760 / 01-07-2017 / Rawalpindi<br>LO17007392 R  | 309.687 | 44.045  | 0.000 | 168.250 | 168.250 | 97.392 | 0.000 | 0.000 |
| 5715 | Establishment of Provincial REDD + Cell in Punjab at Rawalpindi<br>20-17-29-006771 / 01-07-2017 / Rawalpindi<br>LO17007381 R                                      | 30.000  | 10.652  | 0.000 | 15.000  | 15.000  | 0.000  | 0.000 | 0.000 |
| 5716 | Afforestation on Resumed Land transferred to Forest Department in Chakwal Forest Division<br>20-17-27-006767 / 01-07-2017 / Chakwal<br>LO17007384 R               | 50.000  | 25.000  | 0.000 | 25.000  | 25.000  | 0.000  | 0.000 | 0.000 |
| 5717 | Survey & Establishment of Orchard of Endangered Species in Punjab<br>20-17-09-010036 / 01-07-2017 / Faisalabad<br>LO17007391 R                                    | 15.000  | 4.580   | 0.000 | 10.000  | 10.000  | 0.000  | 0.000 | 0.000 |
| 5718 | Rehabilitation of Shorkot Irrigated Plantation<br>20-16-10-004654 / 01-07-2016 / Jhang<br>LO16000180 R  | 85.017  | 67.637  | 0.000 | 17.380  | 17.380  | 0.000  | 0.000 | 0.000 |
| 5719 | Rehabilitation of Kamalia Irrigated Plantation.<br>20-16-11-004655 / 01-07-2016 / Toba Tek Singh<br>LO16000164 R  | 81.319  | 63.054  | 0.000 | 18.265  | 18.265  | 0.000  | 0.000 | 0.000 |
| 5720 | Rehabilitation of Daphar and Pakhowal Irrigated Plantation<br>20-16-15-004656 / 01-07-2016 / Mandi Bahauddin<br>LO16000157 R                                      | 68.000  | 45.328  | 0.000 | 22.672  | 22.672  | 0.000  | 0.000 | 0.000 |
| 5721 | Development of Jallo Forest Safari<br>20-16-19-004657 / 01-07-2016 / Lahore<br>LO16000202 R   | 302.896 | 210.645 | 0.000 | 90.486  | 90.486  | 0.000  | 0.000 | 0.000 |
| 5722 | Rehabilitation of Changa Manga Irrigated Plantation<br>20-16-18-004658 / 01-07-2016 / Kasur<br>LO16000146 R   | 72.000  | 56.823  | 0.000 | 15.201  | 15.201  | 0.000  | 0.000 | 0.000 |
| 5723 | Rehabilitation of Chichawatni irrigated plantation.<br>20-16-36-004659 / 01-07-2016 / Sahiwal<br>LO16000158 R   | 68.000  | 50.297  | 0.000 | 17.698  | 17.698  | 0.000  | 0.000 | 0.000 |
| 5724 | Rehabilitation of Khanewal irrigated plantation<br>20-16-22-004660 / 01-07-2016 / Khanewal<br>LO16000172 R  | 108.658 | 70.094  | 0.000 | 38.564  | 38.564  | 0.000  | 0.000 | 0.000 |
| 5725 | Afforestation projects in South Punjab (70 Concession Agreements already signed under PPP mode)<br>20-18-04-026087 / 01-07-2017 / Dera Ghazi Khan<br>LO00000000 R | 1.000   | 0.000   | 0.000 | 1.000   | 1.000   | 0.000  | 0.000 | 0.000 |
| 5726 | Implementation of Management Plan in Southern Zone. Inayat, Machu and Rajan Shah<br>20-15-05-002044 / 01-07-2015 / Layyah<br>LO15002065 R                         | 94.256  | 81.920  | 0.000 | 11.400  | 11.400  | 0.000  | 0.000 | 0.000 |
| 5727 | Establishment of Forest Park Bahawalpur 89 Acres<br>20-17-02-011436 / 01-07-2017 / Bahawalpur<br>LO17001174 R   | 190.090 | 9.173   | 0.000 | 178.651 | 178.651 | 0.000  | 0.000 | 0.000 |

## Forestry

(PKR Million)

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|--------------------------------|--|------------------|----------------------|-----------------------|------------------|---------------------|------------------|---------------|-----------------------------|
|                                |  |                  |                      | Cap.                  | Rev.             | G.Total (Cap.+Rev.) | 2019-20          | 2020-21       |                             |
| 1                              | 2  | 3                | 4                    | 5                     | 6                | 7                   | 8                | 9             | 10                          |
| 5728                           | Development of GIS based Forest Management System in Punjab<br>20-16-37-004662 / 01-07-2016 / Punjab<br>LO16000186 R   | 75.000           | 49.512               | 0.000                 | 16.000           | 16.000              | 0.000            | 0.000         | 0.000                       |
| 5729                           | Khadam-e-Punjab Rural Roads Project (KPRRP) Phase-III<br>20-17-37-006758 / 01-07-2017 / Punjab<br>LO17007389 R   | 200.000          | 49.808               | 0.000                 | 78.658           | 78.658              | 0.000            | 0.000         | 0.000                       |
| 5730                           | Social Forestry to Increase Tree Cover on Farmlands<br>20-16-37-006814 / 01-07-2016 / Punjab<br>LO16007943 R   | 568.530          | 181.414              | 0.000                 | 138.847          | 138.847             | 106.502          | 0.000         | 0.000                       |
| 5731                           | Green Pakistan Program Reclamation & Development of Forest Areas in Punjab<br>20-16-37-006822 / 01-07-2016 / Punjab<br>LO16008236 R  | 1,263.753        | 447.911              | 0.000                 | 168.497          | 168.497             | 128.090          | 68.018        | 451.237                     |
| 5732                           | Establishment of Short Rotation Plantation in Punjab. Shorkot, MLN, BWP and Pakhowal<br>20-15-38-002213 / 01-07-2015 / Bahawalpur, Jhang, Multan, Sargodha<br>LO15002063 R                             | 168.650          | 150.546              | 0.000                 | 15.914           | 15.914              | 0.000            | 0.000         | 0.000                       |
| 5733                           | Implementation of Management Plan in Northern Zone. Kundian and Bhakkar Plantation<br>20-15-38-002449 / 01-07-2015 / Bhakkar, Mianwali<br>LO15002064 R   | 108.759          | 98.044               | 0.000                 | 7.966            | 7.966               | 0.000            | 0.000         | 0.000                       |
| 5734                           | Enhance Rangelands Production and Planting of Fodder Trees for Farmer Community<br>20-16-38-004663 / 01-07-2016 / Attock, Chakwal, Gujrat, Jhelum, Mandi Bahauddin<br>LO16007471 R                     | 745.522          | 450.015              | 0.000                 | 291.471          | 291.471             | 0.000            | 0.000         | 0.000                       |
| 5735                           | Establishment and Rehabilitation of Forest Parks in Punjab<br>20-17-38-006775 / 01-07-2017 / Bhakkar, Faisalabad, Layyah, Okara, Rawalpindi<br>LO17007388 R  | 100.000          | 0.000                | 0.000                 | 100.000          | 100.000             | 0.000            | 0.000         | 0.000                       |
| 5736                           | Improvement and Rehabilitation of Irrigated Plantations in Central Zone<br>20-17-38-006778 / 01-07-2017 / Kasur, Okara<br>LO17007387 R   | 150.000          | 55.752               | 0.000                 | 60.000           | 60.000              | 0.000            | 0.000         | 0.000                       |
| 5737                           | Improvement and Rehabilitation of Irrigated Plantations in Northern Zone<br>20-17-38-006784 / 01-07-2017 / Bhakkar, Khushab, Mianwali<br>LO17007383 R  | 143.770          | 51.793               | 0.000                 | 55.000           | 55.000              | 0.000            | 0.000         | 0.000                       |
| 5738                           | Improvement and Rehabilitation of Irrigated Plantations in Southern Zone<br>20-17-38-006789 / 01-07-2017 / Khanewal, Layyah, Sahiwal<br>LO17007382 R   | 130.946          | 39.412               | 0.000                 | 60.586           | 60.586              | 0.000            | 0.000         | 0.000                       |
| 5739                           | Afforestation of Blank Reaches along Important Highways in the Punjab<br>20-17-38-006794 / 01-07-2017 / Bhakkar, Kasur, Khushab, Mianwali, Okara, Sargodha<br>LO17007386 R                             | 150.000          | 59.123               | 0.000                 | 48.090           | 48.090              | 0.000            | 0.000         | 0.000                       |
| 5740                           | Protection of Boundary of the Forest Area assigned to South Punjab Forest Company in D.G. Khan Forest Circle<br>20-17-38-006799 / 01-07-2017 / Dera Ghazi Khan, Muzaffargarh, Rajanpur<br>LO17007390 R | 40.000           | 5.227                | 0.000                 | 34.547           | 34.547              | 0.000            | 0.000         | 0.000                       |
| <b>Total: Regular</b>          |  | <b>5,320.853</b> | <b>2,377.805</b>     | <b>0.000</b>          | <b>1,705.143</b> | <b>1,705.143</b>    | <b>331.984</b>   | <b>68.018</b> | <b>451.237</b>              |
| <b>Total: ON-GOING SCHEMES</b> |  | <b>5,320.853</b> | <b>2,377.805</b>     | <b>0.000</b>          | <b>1,705.143</b> | <b>1,705.143</b>    | <b>331.984</b>   | <b>68.018</b> | <b>451.237</b>              |

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(PKR Million)

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|-------|--|-----------|----------------------|-----------------------|------|---------------------|------------------|---------|-----------------------------|
|       |  |           |                      | Cap.                  | Rev. | G.Total (Cap.+Rev.) | 2019-20          | 2020-21 |                             |
| 1     | 2  | 3         | 4                    | 5                     | 6    | 7                   | 8                | 9       | 10                          |

## NEW SCHEMES

### Regular

|                           |   |                  |              |              |                |                |                |                |              |
|---------------------------|---|------------------|--------------|--------------|----------------|----------------|----------------|----------------|--------------|
| 5741                      | Revival of Patisar Lake in Lal Sohanra National Park Bahawalpur<br>20-18-02-022057 / Un-Approved / Bahawalpur | 10.000           | 0.000        | 0.000        | 10.000         | 10.000         | 0.000          | 0.000          | 0.000        |
| 5742                      | Biomass Increase in Lal Sohanra National Park Bahawalpur<br>20-18-02-025168 / Un-Approved / Bahawalpur        | 0.589            | 0.000        | 0.000        | 0.589          | 0.589          | 0.000          | 0.000          | 0.000        |
| 5743                      | Combating Smog Through Urban Forestry in Punjab<br>20-18-37-021983 / Un-Approved / Punjab                     | 160.000          | 0.000        | 0.000        | 50.000         | 50.000         | 110.000        | 0.000          | 0.000        |
| 5744                      | Construction & Rehabilitation of Offices and Residences in Punjab<br>20-18-37-022068 / Un-Approved / Punjab   | 390.000          | 0.000        | 0.000        | 34.268         | 34.268         | 177.732        | 178.000        | 0.000        |
| 5745                      | Afforestation of Blank Areas in Irrigated Plantations of Punjab<br>20-18-37-025018 / Un-Approved / Punjab     | 500.000          | 0.000        | 0.000        | 100.000        | 100.000        | 300.000        | 100.000        | 0.000        |
| <b>Total: Regular</b>     |   | <b>1,060.589</b> | <b>0.000</b> | <b>0.000</b> | <b>194.857</b> | <b>194.857</b> | <b>587.732</b> | <b>278.000</b> | <b>0.000</b> |
| <b>Total: NEW SCHEMES</b> |   | <b>1,060.589</b> | <b>0.000</b> | <b>0.000</b> | <b>194.857</b> | <b>194.857</b> | <b>587.732</b> | <b>278.000</b> | <b>0.000</b> |

## OTHER DEVELOPMENT PROGRAM

### Regular

|   |  |                  |                  |              |                  |                  |                |                |                |
|---|--|------------------|------------------|--------------|------------------|------------------|----------------|----------------|----------------|
| 5746                                    | South Punjab Forest Company<br>20-18-38-023763 / Un-Approved / Bahawalpur, Dera Ghazi Khan, Muzaffargarh, Rajanpur | 100.000          | 0.000            | 0.000        | 100.000          | 100.000          | 0.000          | 0.000          | 0.000          |
| <b>Total: Regular</b>                   |  | <b>100.000</b>   | <b>0.000</b>     | <b>0.000</b> | <b>100.000</b>   | <b>100.000</b>   | <b>0.000</b>   | <b>0.000</b>   | <b>0.000</b>   |
| <b>Total: OTHER DEVELOPMENT PROGRAM</b> |  | <b>100.000</b>   | <b>0.000</b>     | <b>0.000</b> | <b>100.000</b>   | <b>100.000</b>   | <b>0.000</b>   | <b>0.000</b>   | <b>0.000</b>   |
| <b>Grand Total</b>                      |  | <b>6,481.442</b> | <b>2,377.805</b> | <b>0.000</b> | <b>2,000.000</b> | <b>2,000.000</b> | <b>919.716</b> | <b>346.018</b> | <b>451.237</b> |