WELCOME TO ANDHRA PRADESH PMAY- NTR NAGAR Urban Housing

Andhra Pradesh Township & Infrastructure Development Corporation Ltd. (APTIDCO Ltd.)
HOUSING FOR ALL – PRADHANA MANTRI AWAS YOJANA (U) in AP

Housing Requirement as per SECC data, 2011

14,68,937

Housing Requirement as per Demand Assessed by ULBs

13,91,663
### Houses sanctioned under PMAY(Urban)

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Year of sanction</th>
<th>AHP</th>
<th>BLC</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2015-16</td>
<td>1,20,106</td>
<td>73,041</td>
<td>1,93,147</td>
</tr>
<tr>
<td>2</td>
<td>2016-17</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>2017-18</td>
<td>2,43,162</td>
<td>1,02,977</td>
<td>3,46,139</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>3,63,268</strong></td>
<td><strong>1,76,018</strong></td>
<td><strong>5,39,286</strong></td>
</tr>
</tbody>
</table>
### Status of Grounding - AHP

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tenders called for</td>
<td>1,33,094</td>
</tr>
<tr>
<td>Houses grounded</td>
<td>1,14,585</td>
</tr>
<tr>
<td>Houses to be Grounded</td>
<td>18,559</td>
</tr>
<tr>
<td>Under Tender process</td>
<td>2,29,412</td>
</tr>
</tbody>
</table>
Involving Third party Quality control team.

Involving Project Management Consultants

CCTV cameras will be installed at work spot to have real time progress and also will be monitored through Command Control Centre, MA & UD.

BIM.
SALIENT FEATURES OF EWS DWELLING UNITS

<table>
<thead>
<tr>
<th>Proposed unit type</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type - I : 300 Sq. Ft SBA</td>
<td>• Vitrified tile flooring</td>
</tr>
<tr>
<td>Type - II : 365 Sq. Ft. SBA</td>
<td>• Ceramic tile flooring and dadoing in Toilets</td>
</tr>
<tr>
<td>Type - III : 430 Sq. Ft. SBA</td>
<td>• 2-track windows</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Block Development model</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>G+3 model</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project completion</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15 months</td>
<td></td>
</tr>
</tbody>
</table>
ADAPTATION OF CONSTRUCTION TECHNOLOGY

- Form work based system
  - Monolithic concrete construction
  - Modular Tunnel Form
- Precast sandwich Panel System
  - Reinforced EPS core Panel System
  - Glass Fibre Reinforced Gypsum (GERG) Panel System
- Steel Structural System
  - Factory Made Fast track Building System
  - Speed Floor System
- Precast Concrete construction System
  - Waffle crete Building System
  - Precast large concrete Panel System
To conquer the gigantic mission goal, adoption of modern innovative and green technology and building materials is inevitable for faster and quality construction in Housing sector.
TECHNOLOGY ADOPTED BY ANDHRA PRADESH

Monolithic Concrete construction

• Most reliable and proven among all approved technologies of construction By BMTPC (Building Materials and Technology Promotion Council, Ministry of Housing, GoI.

• Single LARGEST new Construction Technology adoption in Housing sector ever adopted in India

• First of its kind, adoption of Shear wall technology (Monolithic) in Houses constructed for EWS (Economically Weaker Sections) ever adopted in any developing country of the world

• Opening and bringing fastest construction Technologies in to the Construction sector in the State, will lead to shift towards Technology oriented construction activities in both public and private sectors in- turn adds Gross Value Addition to the State GDP
MONOLITHIC CONCRETE CONSTRUCTION - ADVANTAGES

- Customized aluminium Form-work structure.
- Reduction of Foundation loading.
- **Superior and safer** than conventional technology and many other modern technologies.
- **Stronger** than conventional technology
- **Rapid construction** and early delivery of houses to people. (One floor for every week)
- Durable and reliable structure with high consistancy and least maintenance cost
- **Disaster resistant** - (Providing Disaster resistant structures in Coastal Districts of A.P is required as safety is paramount)
- Environmental friendly - less pollution effects on public
- Increased carpet area due to compact and thin walls
- Finishes like high end due to monolithic construction and provision of superior specifications such as Vitrified flooring, 2-Track Windows, Wall putty painting etc
- No dependency on brick manufacturing and avoid delays as well as pollution
- Easy in handling with Minimum Labour
- Earthquake resistant structure
- No Plastering is required
- Minimum requirement of skilled labour
-Eliminates external and internal plaster
TRANSFORMING PMAY- NTR NAGARS INTO ECONOMICALLY INTEGRATED TOWNSHIPS

❖ Profiling of beneficiaries will be done with the support of MEPMA.

❖ Based on the range of **livelihood activities of the beneficiaries**, convergence of all concerned line depts/Corporations like

1. Swatcha Andhra Corporation,
2. Urban Greening and Beatification Corporation
3. Skill Development Corporation
4. Social Welfare Dept and various Corporations under the dept.
5. Agriculture and Marketing Dept and various Corpns under the dept
6. Animal Husbandry and Fisheries Deptat and various Corpns under the Dept
7. School Education Department etc.
TRANSFORMING PMAY- NTR NAGARS INTO ECONOMICALLY INTEGRATED TOWNSHIPS

- Social & Physical infrastructure activities will be created based on site requirements
- Skill development activities will be undertaken
- Creation of Self Help Groups /DWACRA groups.
- Solar street lights to be provided
- If roof tops of housing blocks provided with solar panels, colony will become self energy sufficient
- Fiber net connectivity to the colonies
TRANSFORMING PMAY- NTR NAGARS INTO ECONOMICALLY INTEGRATED TOWNSHIPS

- Creation of Residential Welfare groups for each PMAY - NTR Nagar
- Handholding of the Residential Welfare groups for 3 to 5 years
- Encouraging genuine and service oriented NGOs for livelihood activities
- Tapping CSR initiatives for infrastructure and skill development
- Colony adoption strategies on the lines of smart village & smart ward
- Tapping NREGS funds wherever location of layouts are in rural areas.
- All above activities to be established/activated parallelly during the construction of the Housing blocks.
Physical Infrastructure proposed

- Internal Roads
- Water supply Network
- Electrification
- Sewerage network
- Storm water drains
- Street Lighting with LED

Social Infrastructure proposed

- Commercial space,
- Community Hall,
- Primary School & Anganwadi Centre,
- Primary Health Centre,
- Parks and Playgrounds etc
## ROAD MAP FOR MISSION “HOUSING FOR ALL” BY 2022 UNDER PMAY (U) IN ANDHRA PRADESH

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Financial Year</th>
<th>Proposed Sanction of Houses</th>
<th>Proposed Completion of Houses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2015-16</td>
<td>1,93,147</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>2016-17</td>
<td>0</td>
<td>1860</td>
</tr>
<tr>
<td>3</td>
<td>2017-18</td>
<td>5,56,103</td>
<td>2,48,140</td>
</tr>
<tr>
<td>4</td>
<td>2018-19</td>
<td>6,42,413</td>
<td>2,14,478</td>
</tr>
<tr>
<td>5</td>
<td>2019-20</td>
<td>0</td>
<td>3,00,000</td>
</tr>
<tr>
<td>6</td>
<td>2020-21</td>
<td>0</td>
<td>3,50,000</td>
</tr>
<tr>
<td>7</td>
<td>2021-22</td>
<td>0</td>
<td>2,77,185</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>13,91,663</td>
<td>13,91,663</td>
</tr>
</tbody>
</table>
GUDUR, NELLORE BENEFICIARIES AWARENESS CAMP
VISAKHAPATNAM BENEFICIARIES AWARENESS CAMP
GUDIVADA BENEFICIARIES AWARENESS CAMP
GVMC, Visakhapatnam

Cyber Valley of Madhurawada

KOMMADI S.NO. 119 OF GVMC
Batching plant at DIET, Rajahmundry
NELLORE - WORK PROGRESS AT SITE

BATCHING PLANT ERECTED

BATCHING PLANT ERECTION WORK

MD SIR INSPECTION OF NELLORE SITE
SCOPE OF WORK (WEST GODAVARI DISTRICT)

- Master Planning, Design & Internal Construction (Civil, Finishing, MEP Works)
- Technology: Monolithic Concrete Construction

<table>
<thead>
<tr>
<th>Owner/Client</th>
<th>Andhra Pradesh Township &amp; Infrastructure Development Corp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Schedule</td>
<td>15 Months (including Design &amp; Approvals)</td>
</tr>
</tbody>
</table>

Locations

- Bhimavaram
- Gunpudi-1 Mentevari Thota
- Palakollu Ayyappaswamy Peddagaruvu Penkulapadu
- Tadepalligudem
- Kondruprolu L-Agraharam
BHIMAVARAM

Progress upto 12th September 2017

Main Blocks Piling Work in Progress
Bhimavaram Batching Plant, 60cum/hr-commissioned
Tadepalligudem Batching Plant, 30 cum/hr- commissioned
MIVON SHUTTERING MATERIAL RECEIVED AT SITE
Assembled Shear wall Formwork for four Blocks Tadepalligudem
Palakollu Batching Plant, 30cum/hr - commissioned
APTIDCO - Peddapuram

Office
APTIDCO - Peddapuram

Batching Plant
APTIDCO - Peddapuram

RCC shear wall starter works in Progress
APTIDCO - Peddapuram

Footings and Shear wall reinforcement works in progress
APTIDCO - Peddapuram

Shear wall works in Progress
APTIDCO-RAJAHMUNDRY (BOMMURU SITE)

430 Sft - Plinth Beam Under Progress
APTIDCO-RAJAHMUNDRY (BOMMURU SITE)

430 Sft - RCC RAFT Work
APTIDCO-RAJAHMUNDRY (BOMMURU SITE)

300 Sft - Plinth Beam work in Progress
430 sft RCC Work
Reinforcement Work
APTIDCO- RAMACHANDRAPURAM

Batching Plant
Temporary Roads
Excavation & Dressing
M1 Batching Plant
PCC work in Progress
At Gudur 300sft Plinth beam PCC
430ft Footings RCC
APTIDCO - Nellore

SHEAR WALL & PLINTH BEAM PCC IN PROGRESS-A1&2 TYPE(300SFT)
APTIDCO - Nellore  RCC LAYING IN PROGRESS-C 62 (430 SFT)
APTIDCO - Nellore  SHEAR WALL REINFORCEMENT IN PROGRESS-C 12 (430 SFT)
KURNOOL - REINFORCEMENT WORK FOR RAFT IN PROGRESS - 1C TYPE
PROGRESS PHOTOS - FOUNDATION WORKS IN PROGRESS
PROGRESS PHOTOS - BLOCK EXCAVATION & PCC WORKS IN PROGRESS
CHIKBALLAPURA (4512 UNITS)

EXCAVATION WORKS

PCC WORKS

RCC RAFT WORKS

SHEAR WALL WORKS
MODEL HOUSE TYPE-1 300 SFT
BATCHING PLANT ERECTION AT SRIKAKULAM
AREA GRADING IN PROGRESS - SARIPALLI
BACHING PLANT ERECTION @ KRISHNAYAPALEM, AMARAVATHI
THANK YOU