

**GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Municipal Administration & Urban Development Department –
Comprehensive guide lines for issue of clearance for installation of
new Telecommunication Infrastructure Towers - Orders – Issued

MUNICIPAL ADMINISTRATION & URBAN DEVELOPMENT DEPARTMENT

G.O.Ms.No. 380

Dated: 01.08.2013

Read the Following:

1. G.O.Ms.No.183 MA, Dated: 27.02.2008.
2. G.O.Ms.No.2 MA, Dated: 01.01.2013.
3. G.O.Ms.No.4 MA, Dated: 02.01.2013.
4. Representation from Telecom Infra Providers and Telecom Service Providers Dated: 02.08.2012
5. From DTCP Lr.Roc.No.7818/2011/P, Dated:12.03.2013

* * *

ORDER:

In the reference 1st read above Government have issued orders for installation of Ground Based, Rooftop tower shelters and antennas etc.

2. Subsequently Government vide reference 2nd read above, have issued an amendment to the GO 1st read above basing on the directions of Hon'ble High Court of Andhra Pradesh. Further Government vide reference 3rd read above have clarified certain concerns / apprehensions / doubts raised on insisting of NOC from owner of the Building on which Cell Phone Towers are proposed to be erected.

3. A representation has been received vide reference 4th read above from Telecom Infra & Service Providers seeking support to Telecom Infra and Telecom Services in the Andhra Pradesh for rapid growth of the sector.

4. A meeting was convened with Secretary to Government, IT&C Department and Telecom Tower Companies and during the meeting among the other issues it was decided to issue comprehensive guidelines for installation of Telecommunication Infrastructure Tower.

5. Accordingly, and keeping in view the remarks furnished by the Director of Town & Country Planning, A.P. Hyderabad vide reference 5th read above, guidelines issued by Telecommunication Department, Government of India, Government hereby issues the following comprehensive guidelines for issue of clearance for installation of new Telecommunication Infrastructure Towers.

A. Definition:

Telecommunication Infrastructure Tower (TIT) - shall include ground based tower (GBT)/ roof top tower (RTT) / roof top poles (RTP) / cell phone tower (CPT), antenna fixtures, fabricated antenna, tower to install the telephone lines and transmission towers. This will not include the Antennas installed for domestic purpose, namely Television Antennas or Dish Antennas.

P.T.O

B. Essentiality of Permit:

No person shall erect or re-erect any non-Governmental telecommunication tower or telecommunication pole structures or accessory rooms or make alteration or cause the same to be done without first obtaining a separate permission for each such tower or telecommunication pole structures from the Sanctioning Authority. (The Sanctioning Authority is as defined in A.P Building Rules, 2012)

C. Submission of application for Permit:

Application for Permit shall be submitted to the Sanctioning Authority in the form in **Appendix-A** along with following Plans and Documents:

- (i).** Location Plan – (scale 1:1000) Three copies
The Locational Plan shall show the site with reference to the surrounding existing developments duly showing the access and approach to the site/building wherein the tower/room is proposed.
- (ii).** Site Plan - (scale 1:100)Three copies
The Site Plan shall show plot dimensions, access street width, details of existing structures within the plot with their uses, height, and number of floors, set-back from the plot boundaries and between them; proposed tower and ancillary structures.
- (iii).** Elevation Plan - (scale 1:100)Three copies
The Elevation Plan shall show the structure including the existing/proposed building over which the tower/room proposed.
- (iv).** Sections - (scale 1:100)Three copies
Section Plan shall show the cross-section of the structure including the existing/proposed building over which the tower/room proposed.
- (v).** Structural Stability Certificate – one copy (original)
Structural Stability Certificate shall be submitted in respect of the Telecommunication Infrastructure Tower and room and also the building over which it will be erected.

The Structural Stability Certificate shall be obtained from a certified Structural Engineer, or from recognized institute like IITs, NITs and CBRI Roorkee or from the Engineering colleges recognized by AICTE or a Structural Engineer registered or employed in Central or State Government Service or Quasi-Government Organization.
- (vi).** Copy of Sanctioned Plan of the Building and Occupancy Certificate issued by Sanctioning Authority.
- (vii).** Ownership Document - One copy (attested) to prove the ownership of the building / site.

Contd..3.

- (viii). Lease Agreement Deed / Consent Agreement deed - One copy (attested) signed by the applicant and the owner of the site / building.
- (ix). Agreement - [One copy (attested)] Executed with Department of Telecommunications or License or Permit issued by an Authority approved by Government of India from time to time.
- (x). Drawing of tower with complete details including the specifications of foundations and design parameters.
- (xi). Height of the tower along with its elevation (MSL).
- (xii). In case the tower is in the vicinity or adjoining to high or low tension line- then its distance from the same shall be clearly indicated in the drawings.
- (xiii). The capacity of Tower or antenna in Megawatt.
- (xiv). Indemnity Bond (original) to take care of any loss or injury due to accident caused by the tower (including a declaration to the effect that the applicant shall take special precaution for fire safety and lightning and he shall be solely responsible for paying all kinds of compensation and damages and would be responsible for any civil or criminal case arising. there from).
- (xv). No objection Certificate issued by the Andhra Pradesh State Disasters Response & Fire Services Department wherever required.
- (xvi). Copy of SACFA clearance for the said location issued by WPC Wing of Department of Telecom.
- (xvii). No objection Certificate issued by the Air Traffic Controller, Airport Authority of India wherever required.
- (xviii). Copy of Access Service License/ IP Registration certificate from Department of Telecommunications.
- (xix). Permit Fee and charges as fixed by the Government from time to time (**Appendix-D**) and for Installation of Telecom Infrastructure Towers which are covered by interim orders of Hon'ble High Court, it would be subject to final outcome of Writ Petitions.
- (xx). Copy of NOC from Building Owner.
- (xxi). Data sheet contains:
 - a) Name of Service/ Infrastructure Provider
 - b) Location
 - c) Tower reference Such as Height, Weight, Ground/Roof Top, Number of antennas planned on tower.

- (xxii). Copy of certificate issued by Automotive Research Association of India (ARAI) to the manufacturers of the DG sets [The DG sets used shall be as per the provisions under Environment (protection) Act 1986 & noise pollution (Regulation & Control) Rule 2000 as amended from time to time.] is to be submitted by the Telecom Service Providers/ Infrastructure Providers.

D. Scrutiny and Disposal of Application:

- (i). The Sanctioning Authority shall issue or refuse the permit, not later than 30 days from the date of receipt of application along with the plans and documents as at rule C. In case of refusal, the reasons for the same shall be clearly mentioned. And if no permission or refusal is accorded within 30 days, the permit is deemed to have been accorded, provided that, the said installation shall comply all of these guidelines.
- (ii). The permit issued shall be a work permit and the construction or erection of telecommunication tower or telecommunication pole structures or accessory rooms essential for the use of such tower or pole structures shall be completed within one year from the date of issue of such permit.
- (iii). The period of the permit shall be extended for a further period of one year if an application for the same is submitted to the Sanctioning Authority, within the valid period of the permit duly paying 25% of the prescribed fee and charges and in the prescribed form as at Annexure B duly attaching the original permit.

E. Restriction to erect Telecommunication Infrastructure Towers:

(i). Water Bodies

- (1) No building or TIT shall be allowed in the bed of water bodies like river or nala and in the Full Tank Level (FTL) of any lake, pond, cheruvu or kunta / shikam lands. Unless and otherwise stated, the area and the Full Tank Level (FTL) of a Lake / Kunta shall be reckoned as measured and as certified by the Irrigation Department and Revenue Department.
- (2) No building or TIT shall be carried out within:
 - (a) 100m from the boundary of the River outside the Municipal Corporation / Municipality / Nagara Panchayat limits and 50m with in the Municipal Corporation / Municipality / Nagara Panchayat limits. The boundary of the river shall be as fixed and certified by the Irrigation Department and Revenue Department.
 - (b) 30m from the FTL boundary of Lakes / Tanks / Kuntas of area 10Ha and above.

- (c) 9m from the FTL boundary of Lakes / Tanks / Kuntas of area less than 10Ha / shikam lands;
- (d) 9m from the defined boundary of Canal, Vagu, Nala, Storm Water Drain of width more than 10m.
- (e) 2m from the defined boundary of Canal, Vagu, Nala, Storm Water Drain of width up to 10m.
- (f) In all Parks, Playgrounds and Public Open Spaces.

(ii). Railways

The distance between the Railway Property Boundary and the TIT shall be 30m as per Indian Railways Works Manual or as per no objection certificate (NOC) given by the Railway Authorities.

(iii). Electrical Lines

The distance of tower from electric line or pole or tower thereof shall not be less than height of tower plus requisite safety distance from respective high tension or low tension line i.e. a minimum safety distance (both vertical and horizontal) of 3m shall be maintained between the building/TIT and the High Tension Electricity Lines and 1.5m shall be maintained between the building/TIT and the Low Tension Electricity Lines.

(iv). Airport

- (a) Within the Restricted Zone / Air Funnel Zone near the airport, necessary clearance from the concerned Air Traffic Controller, Airport Authority shall be obtained.
- (b) The building / TIT heights and other parameters shall be regulated as per the stipulations of the Airport Authority of India as notified in Gazette of India Extraordinary (S.O.1589) dated 30-06-2008 and as amended from time to time by Ministry of Civil Aviation, Government of India.
- (c) Irrespective of their distance from the aerodrome, even beyond 22km limit from the Aerodrome Reference Point, no radio masts or similar installation exceeding 152m in height shall be erected except with the prior clearance from Civil Aviation Authorities.
- (d) In respect of any land located within 1000m from the boundary of Military Airport no building/TIT is allowed except with prior clearance from the concerned Air Traffic Controller, Airport Authority with regard to building height permissible and safe distance to be maintained between the building/TIT and boundary of the aerodrome.

(v). Defense Establishments

- (a) In case of Sites within 500m distance from the boundary of Defense Areas / Military Establishments prior clearance of Defense Authority shall be obtained.
- (b) In case of [Naval Science and Technological Laboratory \(NSTL\)](#), Visakhapatnam, no building/ TIT shall be allowed within a distance of 20m from the boundary wall of NSTL, Visakhapatnam.

(vi). Oil / Gas Pipelines

In case of Sites in the vicinity of Oil / Gas pipelines, clearance distance and other stipulations of the Respective Authority shall be complied with. The Oil / Gas Authorities shall also specify the clearances required stretch wise to Local Body.

(vii). Heritage, Religious and Other Structures

- (a) In case of Sites located within the distance up to 100m from protected monuments as notified under Archeological Monuments and Ancient Sites and Remains Act 1955 and as amended no building / TIT is allowed.
- (b) For the Sites located within distance of above 100m and up to 200m from the protected monuments, the construction/TIT is allowed only after obtaining prior permission from the National Monument Authority.
- (c) Erection of TIT shall not be allowed within a radius of 100m from the boundary of the premises of school, hospital, heritage buildings and religious buildings or any other prescribed buildings by the Government from time to time.

(viii). Base station Antennas should be avoided in narrow lanes (less than or equal to 5 meters).

(ix). In respect of rooftop towers with multiple antennas, the roof top usage should be discouraged for longer duration.

(x). In case of Wall Mounted/ Pole mounted Antenna, the antenna should be mounted at least 5 meters above ground level/ road level on flyovers.

F. Basic requirements to erect Telecommunication Infrastructure Towers:

(i). Set Backs of Room/Tower:

- (a) The minimum setback for the accessory room / ground based tower shall be as required under the Andhra Pradesh Building Rules, 2012 subject to condition that it shall be a minimum of 3m all-round, after leaving the road widening portion if any. If it is roof top installation the tower shall have minimum 3m distance from the boundary of the building edge.

Contd..7.

- (b) In addition to the distance specified above, set back required for road widening proposed in any of the Master Plan / Zonal Development Plan / Town Planning Scheme / Road Development Plan or any other scheme sanctioned by the Government / Execution Authority shall also be provided.
- (c) Provided also that no portion of the telecommunication Infrastructure tower pole structure or accessory room shall project or over hang into the neighboring plots.
- (d) Provided further that additional distance from boundary abutting the road and other boundaries of the plot proportionate to increase in height shall not be necessary for the telecommunication Infrastructure tower or pole structures or accessory rooms or for the building over which they are proposed.

(ii). Accessory rooms:

- (a) Accessory rooms such as equipment rooms, shelters or Generator rooms essential for the service shall be permitted along with a telecommunication tower or telecommunication pole structures or separately, if a request is made in the application and plans/drawings of the rooms are attached either along with the application for permit or separately.
- (b) The cabin may be made with any material but the area of such cabin shall not exceed 15 Square Meters.
- (c) Installation of electricity generator may be allowed if the generator is covered with insulated sound-proof cabin.
- (d) Every construction or installation ancillary or necessary for the telecommunication system shall conform to the relevant rules applicable to such construction or installation and license or permit required under such rules shall also be obtained.
- (e) The telecommunication tower or ancillary structures shall not prevent or block the access, exit or entry or reduce the width of such access, exit or entry of building or in no way badly affect the safety measures or amenities provided in the building in which it is erected.

(iii). Sharing of Sites:

The Telecom Operators may share the towers for fixing their respective antennas. The same are however, required to adhere to the prescribed technical requirements, so as to curtail multiplicity of towers as well as to optimize the use of the existing ones.

(iv). Installations:

- (a) In order to avoid any eventuality due to thunder storm, lightning conductors shall be installed.
- (b) Generator set installed at the tower site to cater to the power requirements of the antenna shall conform to the noise and emission norms prescribed by the Andhra Pradesh Pollution Control Board.

(v). Protective Wall:

- (a) Every tower erected on the ground and through which electric power is transmitted or passed shall be provided with protective wall or grill at a distance of one meter from any point of the base.
- (b) The wall or grill shall have a minimum of 1.20m height and shall be kept under lock and key, if provided with door.

(vi). Protection from lightening:

Every telecommunication Infrastructure tower shall be provided with sufficient protection against lightning, conforming to I.S. 2303-1969-Code of Practice, as amended from time to time.

(vii). Warning lights and colour specifications:

- (a) Every telecommunication tower shall be provided with two Aviation Warning Lights (ANL) each at 40m and 70m height from the ground level and one at the top, the two lights at 40m height shall be fixed in one set of opposite and that at 70m height shall be fixed at the other set of opposite corners.
- (b) Every telecommunication tower shall be painted with international orange and international white colors alternatively each with 5m band, starting straight with international orange at the top.

(viii). Damage and liability:

The applicant/owner shall be responsible for the structural stability of the telecommunication Infrastructure tower and the building in which it is erected and for any damage caused due to inadequate safety measures.

(ix). Building to be authorized:

Erection of any telecommunication Infrastructure tower or pole structures or accessory rooms shall be permitted only on buildings with valid permissions and Occupancy Certificate obtained from the Local Body.

(x). Completion Certificate:

- (a) After completion of the work of the telecommunication tower or pole structure and accessory rooms as per permit, the applicant and the engineer shall submit to the Sanctioning Authority completion certificate as in **Appendix-B** along with a certificate of structural safety/stability of the tower and the building, if the tower or pole is constructed over a building.
- (b) The Sanctioning Authority shall, if satisfied that the work has been completed as per permit, issue use certificate as in **Appendix-C** allotting a number, on the basis of which the authorities concerned shall allow power connection, etc. for use of the service.

(xi). Unauthorized Telecom Infrastructure Towers:

The Commissioner of ULB shall take necessary action on unauthorized Telecom Infrastructure Towers erected without valid permissions/ Completion Certificate, as per the Act provisions duly following the procedure.

6. Further, The Radiation norms given by DeITY have to be strictly followed by all Tower Infrastructure Service Providers and limit the Power Emissions/Radiations. All the complaints regarding radiation and radiation related technical details are being dealt by TERM cell of DOT and any citizen can approach the concerned TERM Cell of DOT with regard to grievance on any issues relating to radiation.

7. All the Commissioners of Municipal Corporations, Municipalities and Nagara Panchayats, the Metropolitan Commissioner, Hyderabad Metropolitan Development Authority, Hyderabad and Vice-Chairmen of Urban Development Authorities, Executive Officers of Gram Panchayats falling in Urban Development Authority areas and Hyderabad Metropolitan Development Authority, Hyderabad shall accord permission for clearance of installation of new Tele Communication Infrastructure Towers (TIT) which includes Ground Based Tower (GBT) / Roof Top Tower (RTT) / Roof Top Poles (RTP) / Cell Phone Tower (CPT), antenna fixtures, fabricated antenna, tower to install the telephone lines and transmission towers, by following the above said guidelines and other guidelines issued by Government of India from time to time.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

**Dr. S.K. JOSHI
PRINCIPAL SECRETARY TO GOVERNMENT**

To

The Commissioner, Printing, Stationery & Stores Purchase Department, Hyderabad for Publication of the GO in Gazettee and furnish 1000 copies.

The Commissioner & Director of Municipal Administration, Hyderabad

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The Director of Town & Country Planning, A.P. Hyderabad,
The Commissioner,
Greater Hyderabad Municipal Corporation,
Hyderabad,
The Metropolitan Commissioner,
Hyderabad Metropolitan Development Authority,
Hyderabad,
All Vice Chairmen of Urban Development Authorities in the State
All Municipal Commissioners in the State through Commissioner &
Director of Municipal Administration, Hyderabad
The Chairman & Managing Director,
APTRANSCO,
A.P. Hyderabad,
The Commissioner & Inspector General of Registration & Stamps,
A.P Hyderabad.
The Managing Director,
Hyderabad Metro Water Supply & Sewerage Board,
Hyderabad.
The Airport Authority of India,
Begumpet, Hyderabad
The Director General of State Disaster Response and Fire Services,
Andhra Pradesh
The Engineer in Chief (Public Health),
Hyderabad
The General Manager,
South Central Railway,
Secunderabad.
The Member Secretary,
A.P. Pollution Control Board,
Hyderabad.
The Managing Director,
AP Housing Board,
Hyderabad
The Commissioner of Panchayatraj,
A.P. Hyderabad.
The Vice Chairman & Managing Director,
Andhra Pradesh Industrial Infrastructure Corporation Limited,
(APIICL), Hyderabad
All District Collectors in the State
Copy to:
The IT&C Department, A.P Secretariat, Hyderabad.
The Home (Fire Services) Department, A.P Secretariat, Hyderabad.
The Irrigation Department, A.P Secretariat, Hyderabad.
The Revenue Department, A.P Secretariat, Hyderabad.
The PS to Secretary to CM / The P.S. to M (M.A).
The P.S. to Principal Secretary to Government, MA & UD Dept.
The Law (A) Department
SF/SC

//FORWARDED :: BY ORDER //

SECTION OFFICER

APPENDIX – A

..... (ULB)

**APPLICATION FOR ISSUE OF PERMISSION FOR
ESTABLISHMENT OF TELECOMMUNICATION
INFRASTRUCTURE TOWER**

FILE No.	
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Date:	____.____.____
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To
The Commissioner,
.....(ULB),

(Use CAPITAL LETTERS only)

A ADDRESS OF THE APPLICANT	
1	Name
2	Door No./Flat No.
3	Road/Street
4	Village & Mandal
5	City/ Town
6	District
7	Phone / Mobile No.
8	e-mail

B LOCATION OF THE PROPOSED SITE	
1	Plot Nos.
2	Sanctioned Layout No. (if any)
3	Survey No./Village
4	Premises / Door No.
5	Road/ Street
6	Ward No./ Block No.
7	Locality
8	Circle/ Division
9	City/ Town/ District

C DETAILS OF THE PROPOSED TIT	
1	Site Area (in Sq. m)
	(a)As per Documents
	(b)As per submitted Plan
	(c) Road Widening Area
	(d)Net Area
2	Proposals
	i. Ground Based Tower(GBT) / Roof Top Tower (RTT) / Roof Top Poles (RTP)
	ii. Accessory Room
	iii. Generator Room

3	Whether proposed on an open plot / site	
4	If proposed on a building whether the permission and occupancy certificate for the Building has been obtained from the ULB. If so enclose the permit order and Occupancy Certificate.	

CERTIFICATE

I/ we declare that we are the absolute/ owner/ owners/ lessee of the land/building on which I/we intend to erect the TIT. I am / we are enclosing all plans and copies of relevant documents including ownership/ lease certified by Magistrate/ Notary public/ a Gazetted Officer.

I/ we have gone through the Regulations made under the provisions and have satisfied myself/ ourselves that the Plans are in accordance with provisions contained therein.

Sl.No.	Name of Owner / Firm / Lessee License Technical Personnel	Signature
1 Owner / Owners	
2 Lessee / Authorised Agent	
3 Architect/ Engineer/ Surveyor License No. Address	
4 Structural Engineer License No. Address	

APPENDIX – B

..... (ULB)
TELECOMMUNICATION INFRASTRUCTURE TOWER (TIT)
COMPLETION NOTICE

To
The Commissioner.
(ULB)

Ref:	TIT Permit / Proceedings No	Date	dd	mm	yyyy	
I/ We hereby give notice that the erection of the TIT has been completed as per Sanctioned Plan. The work has been completed to my/our best satisfaction. The workmanship and all the materials (type and grade) have been used strictly in accordance with general and detailed specifications. The TIT is fit for which it has been developed and it is fit for use for which it has been erected. The necessary Use Certificate may be issued. Use CAPITAL LETTERS only)						
A	NAME OF THE OWNER / FIRM / LESSEE					
B	LOCATION OF THE SITE / BUILDING ON WHICH TIT IS PERMITTED					
1	Plot No.					
2	Sanctioned Layout No. / LRS No.					
3	Survey No.	Village				
4	Premises / Door No.					
5	Road/ Street					
6	Ward No.	Block No.				
7	Locality					
8	Circle	Division				
9	City/ Town	District				
C	DETAILS OF COMPLETED TIT					
1	TIT Permit / Proceedings No.		Date	dd	mm	yyyy
2	TIT Permitted	i.	Ground Based Tower(GBT) / Roof Top Tower (RTT) / Roof Top Poles (RTP)			
		ii.	Accessory Room			
		iii.	Generator Room			
3	a	Due date for completion of the TIT	Date	dd	mm	yyyy
	b	Date on which completion notice submitted	Date	dd	mm	yyyy
	c	Whether it is completed within the stipulated time	Yes		No	

Sl. No.	Name of Owner / Firm / Lessee / License Technical Personnel	Signature
1	<p>.....</p> <p>Owner / Owners</p>	
2	<p>.....</p> <p>Lessee / Authorised Agent</p>	
3	<p>.....</p> <p>Structural Engineer License No. Address</p>	

APPENDIX – C

..... (ULB)
TELECOMMUNICATION INFRASTRUCTURE TOWER (TIT)
USE CERTIFICATE

Ref:	TIT Permit / Proceedings No		Da	dd	m	yyy	
	TIT Completion Notice submitted by the Applicant & Structural Engineer		Da	dd	m	yyy	
	FILE No.						
<p>The Owners/Firm/Lessee/Structural Engineer have given the TIT Completion Notice that the TIT has been erected as per the specifications of Sanctioned Plans and it is structurally safe for use. Accordingly it is declared fit for use. (Use CAPITAL LETTERS only)</p>							
A	NAME OF THE OWNER / FIRM / LESSEE						
B	LOCATION OF THE SITE / BUILDING ON WHICH TIT IS PERMITTED						
1	Plot No.						
2	Sanctioned Layout No. / LRS No.						
3	Survey No.	Village					
4	Premises / Door No.						
5	Road/ Street						
6	Ward No.	Block No.					
7	Locality						
8	Circle	Division					
9	City/ Town	District					
C	DETAILS OF COMPLETED TIT						
4	TIT Permit / Proceedings No.		Da	dd	m	yyy	
5	TIT Permitted	i.	Ground Based Tower(GBT) / Roof Top Tower (RTT) / Roof Top Poles (RTP)				
		ii.	Accessory Room				
		iii.	Generator Room				
6	a	Due date for completion of the TIT		Da	dd	m	yyy
	b	Date on which completion notice submitted		Da	dd	m	yyy
	c	Whether it is completed within the stipulated time		Yes		No	
	d	If No, the Fine collected (Rs)					

To
 Sri / Smt.....

Commissioner

APPENDIX – D

**Permit Fee and Charges for issue of Permission for
Establishment of Telecommunication Infrastructure Tower**

Sl. No.	Grade of the Urban Local Body	Amount per each Application (TIT) (in Rs.)
1	All Corporations	1,00,000
2	Selection, Special & First Grade	75,000
3	Second & Third Grade	50,000
4	Nagar Panchayats	30,000