# National Load Despatch Centre Total Transfer Capability for October 2017

Issue Date: 20th September 2017 Issue Time: 1800 hrs Revision No. 3

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA) #	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments	
ND MD*	1st October	00-06	2500	500	2000	55	1945			
NR-WR*	2017 to 31st October 2017	06-18 18-24	2500	500	2000	65 55	1935 1945		-	
WR-NR*	1st October 2017 to 31st October 2017	00-24	9050	500	8550	8330	220			
	1st October	00-06	2000		1800	193	1607			
NR-ER*	2017 to 31st	06-18	2000	200	1800	303	1497			
	October 2017	18-24	2000		1800	193	1607			
ER-NR*	1st October 2017 to 31st October 2017	00-24	4500	300	4200	3030	1170			
W3-ER	1st October 2017 to 31st October 2017	00-24				No limit i	s being specified.			
ER-W3	2017 to 31st	00-24				No limit i	s being specified.			
		00-05	4700		4200		717	350	Revised considering commissioning and commercial operation of 765 kV Nizamabad - Maheswaram D/C, 765/400 kV 2x1500 MVA ICTs at	
WR-SR	1st October 2017 to 31st October 2017	05-22	4700	500	4200	3483	717	350	Maheswaram, 400 kV Maheswaram (PG) - Maheswaram D/C, 400/220 kV 1x500 MVA ICTs at Maheswaram, 400 kV Maheswaram(PG) - Kurnool S/C and 400 kV Maheswaram - Ghanapur S/C (LILO of 400 kV Ghanapur - Kurnool S/C)	
		22-24	4700		4200		717	350		
SR-WR*	1st October 2017 to 31st October 2017	00-24		No limit is being Specified.						
		00-06				3053	447		Revised considering commissioning and commercial operation of 765 kV Nizamabad - Maheswaram D/C, 765/400 kV 2x1500 MVA ICTs at	
ER-SR	1st October 2017 to 31st October 2017	06-18'	3750	250	3500	3138	362	300	Maheswaram, 400 kV Maheswaram(PG) - Maheswaram D/C, 400/220 kV 1x500 MVA ICTs at Maheswaram, 400 kV	
		18-24				3053	447		Maheswaram(PG) - Kurnool S/C and 400 kV Maheswaram - Ghanapur S/C (LILO of 400 kV Ghanapur - Kurnool S/C)	
SR-ER *	1st October 2017 to 31st October 2017	00-24		No limit is being Specified.						
	1st October	00-17	1100		1055		830			
ER-NER	2017 to 31st	17-23	1000	45	955	225	730			
	October 2017 1st October	23-24 00-17	1100 1330		1055 1285		830 1285			
NER-ER	2017 to 31st	17-23	1240	45	1195	0	1195			
	October 2017	23-24	1330		1285		1285			
W3 zone Injection	1st October 2017 to 31st October 2017	00-24	No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)							
	ATC of S1-(S2& ction in Monthly		lor, Imp <mark>ort</mark> o	f S3(Kerala),	Import of Pu	njab and Import o	of DD & DNH is	uploaded o	on NLDC website under Intra-	

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<sup>\*</sup> Fifty Percent (50 % ) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

- 1) S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala
- 2) W3 comprises of the following regional entities:
- a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I & Stage-II, c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak
- f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat, k) KSK Mahanadi, L)DB Power, m) KWPCL, n)Vandana Vidyut o)RKM, p)GMR Raikheda, q)Ind Barath and any other regional entity generator in Chhattisgarh

# The figure is based on LTA/MTOA approved by CTU and Allocation figures as per RPCs RTA/REA. In actual Operation, due to Units being on Maintenance/Fuel shortage/New units being commissionned the LTA/MTOA utilized would vary. RLDC/NLDC would factor this situation on day-ahead basis. In the eventuality that net schedules exceed ATC, real time curtailments might be effected by RLDCs/NLDC.

In case of TTC Revision due to any shutdown:

- 1) The TTC value will be revised to normal values after restoration of shutdown.
- 2) The TTC value will be revised to normal values if the shutdown is not being availed in real time.

#### **Simultaneous Import Capability**

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA)	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
ER									
NR	1st October 2017 to 31st October 2017	00-05 05-08 08-18 18-23 23-24	12900 12900 12900 11600 12900	800	12100 12100 12100 10800 12100	11360	740 740 740 0 740		
NER	1st October 2017 to 31st October 2017	00-17 17-23 23-24	1100 1000 1100	45	1055 955 1055	225	830 730 830		
WR									
		00-05	8450		7700	6536	1164	650	Revised considering commissioning and commercial operation of
		05-06	8450		7700	6536	1164	650	765 kV Nizamabad - Maheswaram D/C, 765/400 kV 2x1500 MVA
SR	1st October 2017 to 31st October 2017	06-18	8450	750	7700	6621	1079	650	ICTs at Maheswaram, 400 kV Maheswaram(PG) - Maheswaram D/C, 400/220 kV 1x500 MVA
		18-22	8450		7700	6536	1164	650	ICTs at Maheswaram, 400 kV Maheswaram(PG) - Kurnool S/C and 400 kV
		22-24	8450		7700	6536	1164	650	Maheswaram - Ghanapur S/C (LILO of 400 kV Ghanapur - Kurnool S/C)

<sup>\*</sup> Fifty Percent (50 % ) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

Margin in Simultaneous import of NR = A

WR-NR ATC =B

ER-NRATC = C

Margin for WR-NR applicants = A \* B/(B+C)

Margin for ER-NR Applicants = A \* C/(B+C)

<sup>\*</sup> For approving STOA Bilateral transactions, margin available in Simultaneous Import of NR would be apportioned on WR-NR Corridor & ER-NR Corridor in the following ratio:

## **Simultaneous Export Capability**

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA)	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
	1st October	00-06	4500		3800	248	3552		
NR*	2017 to 31st	06-18'	4300	700	3800	368	3432		
	October 2017	18-24	4500		3800	248	3552		
	1st October	00-17	1330	45	1285		1285		
NER	2017 to 31st	17-23	1240		1195	0	1195		
	October 2017	23-24	1330	•	1285		1285		
TY/D									
WR									
	1st October								
SR *	2017 to 31st	00-24				No limit is be	ing Specified.		
	October 2017								

<sup>\*</sup> Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

### **Limiting Constraints (Corridor wise)**

		Applicable Revisions
Corridor	Constraint	
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak	All
WR-NR	1. (n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.  2. High Loading of 400kV Singrauli-Anpara S/C.	All
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	All
ER-NR	(n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/c	All
WR-SR	(n-1) contingency of 400 kV Dichipalli-Ramagundam or one ckt of 765 kV Aurangabad-Solapur D/C will lead to 874 MW loading on 400kV Vemagiri(PG)-Gazuwaka (With Opening of 400kV Vemagiri(PG)-Nunna S/C)	All
& ER- SR	<ul> <li>a. (n-1) contingency of 400 kV Vemagiri - Vijaywada S/C will lead to high loading (874 MW) on 400 kV Vemagiri - Gazuwaka S/C</li> <li>b. N-1 contingency of 765/400 kV 2x1500 MVA Maheswaram (PG) ICTs results in high loading of other ICT</li> </ul>	All except 0-2
	Low Voltage at Gazuwaka (East) Bus.	All
ER-NER	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa b. High loading of 220 kV Balipara-Sonabil line(200 MW)	All
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa	All
W3 zone Injection	<b></b>	All

## **Limiting Constraints (Simultaneous)**

			Applicable Revisions
NR	Import	(n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/c.  1. (n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.  2.High Loading of 400kV Singrauli-Anpara S/C.	All
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli	All
NER	Import	<ul><li>a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa</li><li>b. High loading of 220 kV Balipara-Sonabil line(200 MW)</li></ul>	All
NEK -	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa.	All
		(n-1) contingency of 400 kV Dichipalli-Ramagundam or one ckt of 765 kV Aurangabad-Solapur D/C will lead to 874 MW loading on 400kV Vemagiri(PG)-Gazuwaka (With Opening of 400kV Vemagiri(PG)-Nunna S/C)	All
SR	Import	a. (n-1) contingency of 400 kV Vemagiri - Vijaywada S/C will lead to high loading (874 MW) on 400 kV Vemagiri - Gazuwaka S/C b. N-1 contingency of 765/400 kV 2x1500 MVA Maheswaram (PG) ICTs results in high loading of other ICT	All except 0-2
		Low Voltage at Gazuwaka (East) Bus.	All

# National Load Despatch Centre Total Transfer Capability for October 2017

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
1	28th July 2017	Whole month	Revised STOA margins due to change in LTA / MTOA figures approved by CTU	WR- NR/Import of NR
2	31st July 2017	Whole month	Revised STOA margins due to change in LTA / MTOA figures approved by CTU	WR- NR/Import of NR
3	20th September 2017	Whole month	Revised considering commissioning and commercial operation of 765 kV Nizamabad - Maheswaram D/C, 765/400 kV 2x1500 MVA ICTs at Maheswaram, 400 kV Maheswaram(PG) - Maheswaram D/C, 400/220 kV 1x500 MVA ICTs at Maheswaram, 400 kV Maheswaram(PG) - Kurnool S/C and 400 kV Maheswaram - Ghanapur S/C (LILO of 400 kV Ghanapur - Kurnool S/C)	ER-SR / WR- SR / Import of SR

Month : October'17   Generation	ASSU	MPTIONS IN BASECASE				
Name of State/Area   Load   Peak Load (MW)   Peak (MW)   Off Peak (MW)	7.000.				Month : October'17	
Peak Load (MW)	S.No.	Name of State/Area	Load			
NORTHERN REGION				Off Peak Load (MW)		Off Peak (MW)
Punjab	ı	NORTHERN REGION	,	, ,	,	,
Haryana	1		8029	6646	3099	3145
3 Rajasthan       8833       8881       5381       5411         4 Delhi       5072       4174       805       805         5 Uttar Pradesh       14985       14821       9097       9093         6 Uttarakhand       1804       1369       890       693         7 Himachal Pradesh       1275       1043       387       344         8 Jammu & Kashmir       2378       1099       696       503         9 Chandigarh       266       181       0       0       0         10 ISGS/IPPs       26       27       18406       10653         Total NR       50296       43538       40462       32348         I       EASTERN REGION       1       187       187       187         2 Jharkhand       1332       915       187       187       187         3 Damodar Valley Corporation       3138       2664       4808       3850         4 Orissa       4286       3262       3382       2210         5 West Bengal       7050       5900       5309       4270         6 Sikkim       89       50       0       0       0         7 Bhutan       212       216				5298	1701	
Delhi   5072			8833	8881	5381	5411
Butarakhand		-	5072	4174	805	805
Butarakhand	5	Uttar Pradesh		14821	9097	9093
8 Jammu & Kashmir         2378         1099         696         503           9 Chandigarh         266         181         0         0           10 ISGS/IPPs         26         27         18406         10653           Total NR         50296         43538         40462         32348           II         EASTERN REGION         4034         2465         202         178           2 Jharkhand         1332         915         187         187           3 Damodar Valley Corporation         3138         2664         4808         3850           4 Orissa         4286         3262         3382         2210           5 West Bengal         7050         5900         5309         4270           6 Sikkim         89         50         0         0           7 Bhutan         212         216         1434         1434           8 ISGS/IPPs         267         263         11697         9325           Total ER         20406         15737         27019         21454           III         WESTERN REGION         1         14979         12498         11221           2 Gujarat         13916         12128         10311 <td></td> <td></td> <td></td> <td>1369</td> <td>890</td> <td>693</td>				1369	890	693
9 Chandigarh         266         181         0         0           10 ISGS/IPPs         26         27         18406         10653           Total NR         50296         43538         40462         32348           II         EASTERN REGION         4034         2465         202         178           1 Bihar         4034         2465         202         178           2 Jharkhand         1332         915         187         187           3 Damodar Valley Corporation         3138         2664         4808         3850           4 Orissa         4286         3262         3382         2210           5 West Bengal         7050         5900         5309         4270           6 Sikkim         89         50         0         0         0           7 Bhutan         212         216         1434         1434           8 ISGS/IPPs         267         263         11697         9325           Total ER         20406         15737         27019         21454           III         WESTERN REGION         1         14979         12498         11221           2 Gujarat         13916         12128	7	Himachal Pradesh	1275	1043	387	344
ISGS/IPPs   26   27   18406   10653     Total NR	8	Jammu & Kashmir	2378	1099	696	503
Total NR	9	Chandigarh	266	181	0	0
EASTERN REGION	10	ISGS/IPPs	26	27	18406	10653
1 Bihar         4034         2465         202         178           2 Jharkhand         1332         915         187         187           3 Damodar Valley Corporation         3138         2664         4808         3850           4 Orissa         4286         3262         3382         2210           5 West Bengal         7050         5900         5309         4270           6 Sikkim         89         50         0         0           7 Bhutan         212         216         1434         1434           8 ISGS/IPPs         267         263         11697         9325           Total ER         20406         15737         27019         21454           III         WESTERN REGION         1         12498         11221           2 Gujarat         13916         12128         10311         8731           3 Madhya Pradesh         9586         7408         4172         4547           4 Chattisgarh         3889         2800         2510         2090           5 Daman and Diu         325         288         0         0           6 Dadra and Nagar Haveli         698         769         0         0      <		Total NR	50296	43538	40462	32348
1 Bihar         4034         2465         202         178           2 Jharkhand         1332         915         187         187           3 Damodar Valley Corporation         3138         2664         4808         3850           4 Orissa         4286         3262         3382         2210           5 West Bengal         7050         5900         5309         4270           6 Sikkim         89         50         0         0           7 Bhutan         212         216         1434         1434           8 ISGS/IPPs         267         263         11697         9325           Total ER         20406         15737         27019         21454           III         WESTERN REGION         1         12498         11221           2 Gujarat         13916         12128         10311         8731           3 Madhya Pradesh         9586         7408         4172         4547           4 Chattisgarh         3889         2800         2510         2090           5 Daman and Diu         325         288         0         0           6 Dadra and Nagar Haveli         698         769         0         0      <						
2 Jharkhand       1332       915       187       187         3 Damodar Valley Corporation       3138       2664       4808       3850         4 Orissa       4286       3262       3382       2210         5 West Bengal       7050       5900       5309       4270         6 Sikkim       89       50       0       0         7 Bhutan       212       216       1434       1434         8 ISGS/IPPs       267       263       11697       9325         Total ER       20406       15737       27019       21454         III       WESTERN REGION       12128       10311       8731         3 Madhya Pradesh       9586       7408       4172       4547         4 Chattisgarh       3889       2800       2510       2090         5 Daman and Diu       325       288       0       0         6 Dadra and Nagar Haveli       698       769       0       0         7 Goa-WR       571       281       0       0         8 ISGS/IPPs       3986       3664       34817       30704	II	EASTERN REGION				
3 Damodar Valley Corporation   3138   2664   4808   3850   4 Orissa   4286   3262   3382   2210   5 West Bengal   7050   5900   5309   4270   6 Sikkim   89   50   0   0   0   7 Bhutan   212   216   1434   1434   1434   8 ISGS/IPPs   267   263   11697   9325   7 total ER   20406   15737   27019   21454   111   WESTERN REGION	1	Bihar	4034	2465	202	178
4 Orissa       4286       3262       3382       2210         5 West Bengal       7050       5900       5309       4270         6 Sikkim       89       50       0       0         7 Bhutan       212       216       1434       1434         8 ISGS/IPPs       267       263       11697       9325         Total ER       20406       15737       27019       21454         III       WESTERN REGION       408       11221       13916       12128       10311       8731         3 Madhya Pradesh       9586       7408       4172       4547         4 Chattisgarh       3889       2800       2510       2090         5 Daman and Diu       325       288       0       0         6 Dadra and Nagar Haveli       698       769       0       0         7 Goa-WR       571       281       0       0         8 ISGS/IPPs       3986       3664       34817       30704	2	Jharkhand	1332	915	187	187
5 West Bengal       7050       5900       5309       4270         6 Sikkim       89       50       0       0         7 Bhutan       212       216       1434       1434         8 ISGS/IPPs       267       263       11697       9325         Total ER       20406       15737       27019       21454         III       WESTERN REGION       1       14979       12498       11221         2 Gujarat       13916       12128       10311       8731         3 Madhya Pradesh       9586       7408       4172       4547         4 Chattisgarh       3889       2800       2510       2090         5 Daman and Diu       325       288       0       0         6 Dadra and Nagar Haveli       698       769       0       0         7 Goa-WR       571       281       0       0         8 ISGS/IPPs       3986       3664       34817       30704	3	Damodar Valley Corporation	3138	2664	4808	3850
6 Sikkim         89         50         0         0           7 Bhutan         212         216         1434         1434           8 ISGS/IPPs         267         263         11697         9325           Total ER         20406         15737         27019         21454           III         WESTERN REGION         20406         14979         12498         11221           2 Gujarat         13916         12128         10311         8731           3 Madhya Pradesh         9586         7408         4172         4547           4 Chattisgarh         3889         2800         2510         2090           5 Daman and Diu         325         288         0         0           6 Dadra and Nagar Haveli         698         769         0         0           7 Goa-WR         571         281         0         0           8 ISGS/IPPs         3986         3664         34817         30704	4	Orissa	4286	3262	3382	2210
7 Bhutan         212         216         1434         1434           8 ISGS/IPPs         267         263         11697         9325           Total ER         20406         15737         27019         21454           III         WESTERN REGION              1 Maharashtra         18356         14979         12498         11221           2 Gujarat         13916         12128         10311         8731           3 Madhya Pradesh         9586         7408         4172         4547           4 Chattisgarh         3889         2800         2510         2090           5 Daman and Diu         325         288         0         0           6 Dadra and Nagar Haveli         698         769         0         0           7 Goa-WR         571         281         0         0           8 ISGS/IPPs         3986         3664         34817         30704	5	West Bengal	7050	5900	5309	4270
8 ISGS/IPPs         267         263         11697         9325           Total ER         20406         15737         27019         21454           III         WESTERN REGION <ul> <li>1 Maharashtra</li> <li>18356</li> <li>14979</li> <li>12498</li> <li>11221</li> <li>2 Gujarat</li> <li>13916</li> <li>12128</li> <li>10311</li> <li>8731</li> <li>3 Madhya Pradesh</li> <li>9586</li> <li>7408</li> <li>4172</li> <li>4547</li> <li>4 Chattisgarh</li> <li>3889</li> <li>2800</li> <li>2510</li> <li>2090</li> <li>5 Daman and Diu</li> <li>325</li> <li>288</li> <li>0</li> <li>0</li> <li>0</li> <li>0</li> <li>7 Goa-WR</li> <li>571</li> <li>281</li> <li>0</li> <li>0</li> <li>0</li> <li>34817</li> <li>30704</li> </ul>	6	Sikkim	89	50	0	0
Total ER         20406         15737         27019         21454           III         WESTERN REGION              1 Maharashtra         18356         14979         12498         11221           2 Gujarat         13916         12128         10311         8731           3 Madhya Pradesh         9586         7408         4172         4547           4 Chattisgarh         3889         2800         2510         2090           5 Daman and Diu         325         288         0         0           6 Dadra and Nagar Haveli         698         769         0         0           7 Goa-WR         571         281         0         0           8 ISGS/IPPs         3986         3664         34817         30704	7	Bhutan	212	216	1434	1434
WESTERN REGION	8	ISGS/IPPs	267	263	11697	9325
1 Maharashtra       18356       14979       12498       11221         2 Gujarat       13916       12128       10311       8731         3 Madhya Pradesh       9586       7408       4172       4547         4 Chattisgarh       3889       2800       2510       2090         5 Daman and Diu       325       288       0       0         6 Dadra and Nagar Haveli       698       769       0       0         7 Goa-WR       571       281       0       0         8 ISGS/IPPs       3986       3664       34817       30704		Total ER	20406	15737	27019	21454
1 Maharashtra       18356       14979       12498       11221         2 Gujarat       13916       12128       10311       8731         3 Madhya Pradesh       9586       7408       4172       4547         4 Chattisgarh       3889       2800       2510       2090         5 Daman and Diu       325       288       0       0         6 Dadra and Nagar Haveli       698       769       0       0         7 Goa-WR       571       281       0       0         8 ISGS/IPPs       3986       3664       34817       30704						
2 Gujarat       13916       12128       10311       8731         3 Madhya Pradesh       9586       7408       4172       4547         4 Chattisgarh       3889       2800       2510       2090         5 Daman and Diu       325       288       0       0         6 Dadra and Nagar Haveli       698       769       0       0         7 Goa-WR       571       281       0       0         8 ISGS/IPPs       3986       3664       34817       30704	III	WESTERN REGION				
3 Madhya Pradesh       9586       7408       4172       4547         4 Chattisgarh       3889       2800       2510       2090         5 Daman and Diu       325       288       0       0         6 Dadra and Nagar Haveli       698       769       0       0         7 Goa-WR       571       281       0       0         8 ISGS/IPPs       3986       3664       34817       30704	1	Maharashtra	18356	14979	12498	11221
4 Chattisgarh       3889       2800       2510       2090         5 Daman and Diu       325       288       0       0         6 Dadra and Nagar Haveli       698       769       0       0         7 Goa-WR       571       281       0       0         8 ISGS/IPPs       3986       3664       34817       30704	2	Gujarat				8731
5 Daman and Diu     325     288     0     0       6 Dadra and Nagar Haveli     698     769     0     0       7 Goa-WR     571     281     0     0       8 ISGS/IPPs     3986     3664     34817     30704			9586	7408	4172	4547
6 Dadra and Nagar Haveli     698     769     0     0       7 Goa-WR     571     281     0     0       8 ISGS/IPPs     3986     3664     34817     30704	4	Chattisgarh	3889	2800	2510	2090
7 Goa-WR 571 281 0 0 8 ISGS/IPPs 3986 3664 34817 30704						
8 ISGS/IPPs 3986 3664 34817 30704	6	Dadra and Nagar Haveli	698	769		_
			571			
Total WR 51326 42317 64308 57293	8					
		Total WR	51326	42317	64308	57293

	1				
IV	SOUTHERN REGION				
1	Andhra Pradesh	8439	6388	5847	4612
2	Telangana	8741	7000	5877	3753
	Karnataka	9896	8233	6319	4457
4	Tamil Nadu	14068	11864	7403	5878
5	Kerala	3652	2312	1300	283
6	Pondy	387	395	0	0
7	Goa-SR	87	89	0	0
8	ISGS/IPPs	0	0	13865	11425
	Total SR	45271	36282	40611	30407
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	122	63	0	0
2	Assam	1158	1012	230	180
3	Manipur	162	87	0	0
4	Meghalaya	246	178	191	130
5	Mizoram	93	69	8	8
6	Nagaland	119	83	16	6
7	Tripura	270	195	82	82
8	ISGS/IPPs	98	60	1882	1471
	Total NER	2268	1749	2409	1877
	Total All India	169567	139623	174809	143380