



तेजपुर विश्वविद्यालय
TEZPUR UNIVERSITY
(संसद के अधिनियम द्वारा स्थापित केंद्रीय विश्वविद्यालय)
(A Central University established by an Act of Parliament)
संकाय अध्यक्ष, छात्र कल्याण का कार्यालय
OFFICE OF THE DEAN, STUDENT'S WELFARE
नपाम:: तेजपुर :: असम / Napaam :: Tezpur -784028::Assam

Notification
Dated: 09.10.2020

Due to COVID-19 pandemic situation, students were asked to vacate University Hostels w.e.f. 18.03.2020. As per guidelines of Ministry of Home Affairs (MHA) Order No. 40-3/2020-DM-I(A) dtd. 30th September 2020, University has decided to allow the students to return to their hostels w.e.f 15th October, 2020 batch wise to resume their research works /academic assignments. In first batch, full time Ph.D. research scholars in science and technology stream requiring laboratory experimental works who have enrolled on or before 2017 and stayed in the hostels earlier, are being allowed, provided they are neither infected by COVID -19 nor undergoing any COVID-19 treatment. They must submit an undertaking as per the format attached with this notification and abide by the following norms.

- a) Undergo Rapid Antigen Test (RAT) three days before coming to the hostel. The report of RAT must be submitted to hostel administration at the time of entry to the hostel.
- b) Keep himself/herself quarantined in the allotted room of his/her hostel for 10 days from the date of his/her entry to the hostel room and keep himself/herself isolated from his/her fellow boarders during this period.
- c) Undergo Rapid Antigen Test (RAT) after completion of 10 days quarantined period and if test result appears negative then they will be allowed to resume their academic activities.
- d) Remain alert about himself/herself and fellow boarders with signs and symptoms i.e., fever, cough, body ache and difficulty in breathing. If any such signs appear, they will immediately contact the concerned University Authority for necessary action.
- e) “Wear Mask, Follow Physical Distancing, Maintain Hand Hygiene”
- f) Aren't allowed to venture out of the University campus until further notice.
- g) Maintain proper social distancing and hygiene in the Hostel.
- h) Avoid any gathering.
- i) Follow COVID-19 norms notified from time to time by Government of India or by the University
- j) Liable for any disciplinary action as per University Rules and Regulations, COVID-19 pandemic norms and Hostel Rules, 2019 in case of violation of the prescribed guidelines.

Issued with due approval.

Sd/- (D. Deka)
Dean Students' Welfare
Tezpur University
Memo No. TU/DSW/Notice/16-F.08/1021-A

Date: 09.10.2020

UNDERTAKING

I.....son/daughter of , a student of Program, Roll No., Department of, Tezpur University hereby declare that I wish to stay in the allotted hostel for carrying out my research works/ academic assignments as I am not infected by COVID 19 and undergoing any COVID 19 treatment. I will be solely responsible, if any symptoms of COVID-19 develop on me during my stay inside the campus. I agree to follow the Covid-19 protocols of the university during my stay in the Tezpur University campus. I hereby undertake that I

1. Have undergone Rapid Antigen Test (RAT) three days before coming to the hostel. Shall submit the report of RAT to hostel administration at the time of entry to the hostel.
2. Shall keep myself quarantined in the allotted room of my hostel for 10 days from the date of my entry to the hostel room and keep myself isolated from my fellow boarders during this period.
3. Shall again undergo the Rapid Antigen Test (RAT) after completion of 10 days quarantined period and if test result appears negative then shall resume academic activities.
4. Shall remain alert about myself and fellow boarders with signs and symptoms i.e., fever, cough, body ache and difficulty in breathing. If any such signs appear shall immediately contact the concerned University Authority for necessary action.
5. Shall “Wear Mask, Follow Physical Distancing, Maintain Hand Hygiene”
6. Shall not venture out of the University campus till further notice.
7. Shall maintain proper social distancing and hygiene in the Hostel.
8. Shall avoid any gathering.
9. Shall follow COVID-19 norms notified from time to time by Government of India or by the University.
10. Shall be liable for any disciplinary action as per University Rules and Regulations, COVID-19 pandemic norms and Hostel Rules, 2019 in case of violation of the prescribed guidelines.

Signature of the Student:

Name:

Roll No:

Phone No.:

Date:

Signature of Parent/ Guardian

Name:

Address:

Phone no.:

Date:

List of PhD Male Students (Enrolled on or before 2017)

Sl	Name of students	Supervisor	Dept.	Roll no.	D.O.A	Cat
1.	Rajkamal Mohan	Prof. R. K. Dutta	Chem.Scs.	CHP15111	22-Jul-15	FT
2.	Anurag Dutta	Prof. A J Thakur	Chem.Scs.	CHP15113	22-Jul-15	FT
3.	Prashurya Pritam Mudoi	Dr. N. Gogoi	Chem.Scs.	CHP15116	22-Jul-15	FT
4.	Rituraj Das	Prof. R C Deka	Chem.Scs.	CHP16104	14-Jul-16	FT
5.	Satyajit Dey Baruah	Prof. R C Deka	Chem.Scs.	CHP16107	16-Aug-16	FT
6.	Anup Choudhury	Dr. Nayanmoni Gogoi	Chem.Scs.	CHP17004	30-Jan-17	FT
7.	Abhishek Borborah		Chem.Scs.	CHP17101	17-Jul-17	FT
8.	Bijoy Ghosh	Prof. A K Phukan	Chem.Scs.	CHP17105	17-Jul-17	FT
9.	Debabrat Pathak	Dr. B. Sarma	Chem.Scs.	CHP17107	17-Jul-17	FT
10.	Bhugendra Chutia	Dr. P. Bharali	Chem.Scs.	CHP17113	17-Jul-17	FT
11.	Arup Jyoti Das	Dr. S K Das	Chem.Scs.	CHP17118	17-Jul-17	FT
12.	Nayan Basumatary	Dr. Bhabesh Nath	C.S.E.	CSP14001	16-Jan-14	FT
13.	Shafiul Alom Ahmed	Dr. Bhabesh Nath	C.S.E.	CSP15006	16-Jan-15	FT
14.	Yumnam Nirmal	Prof. Utpal Sharma	C.S.E.	CSP15009	16-Jan-15	FT
15.	Hussain Ahmed Chowdhury	Prof. Dhruva Kumar Bhattacharyya	C.S.E.	CSP16101	14-Jul-16	FT
16.	Parthajit Borah	Prof. Dhruva Kumar Bhattacharyya	C.S.E.	CSP17103	17-Jul-17	FT
17.	Kaushik Ray	Dr. S. Saharia	C.S.E.	CSP17108	17-Jul-17	FT
18.	Pranjal Barman	Dr. Santanu Sharma	E.C.E.	ELP14003	16-Jan-14	FT
19.	Champak Talukdar	Prof. M. Bhuyan	E.C.E.	ELP14103	23-Jul-14	FT
20.	Palash Phukan	Prof. P. P. Sahu	E.C.E.	ELP15002	16-Jan-15	FT
21.	Jagat Das	Prof. P. P. Sahu	E.C.E.	ELP15102	22-Jul-15	FT
22.	Helal Uddin Mullah	Dr. B. Deka	E.C.E.	ELP15103	23-Jul-15	FT
23.	Rakcinpha Hatibaruah	Dr. V. K. Nath	E.C.E.	ELP15106	9-Sep-15	FT
24.	Suhas D.	Prof. S. Bhattacharyya	E.C.E.	ELP16001	18-Jan-16	FT
25.	Rewrewa Narzary	Prof. P. P. Sahu	E.C.E.	ELP16003	18-Jan-16	FT
26.	Gaurav Keshwani	Prof. J. C. Dutta	E.C.E.	ELP16004	18-Jan-16	FT
27.	Sushant Kumar	Dr. B. Deka	E.C.E.	ELP16006	18-Jan-16	FT
28.	Sujan Neroula	Dr. S. Sharma	E.C.E.	ELP16101	14-Jul-16	PT
29.	Satyabrat Malla Bujar Baruah	Dr. S. Roy	E.C.E.	ELP16104	14-Jul-16	FT
30.	Nithin Joseph Panicker	Prof. P. P. Sahu	E.C.E.	ELP17102	17-Jul-17	FT
31.	Manash Jyoti Borah	Prof. D. Deka	Energy	ENP15001	16-Jan-15	FT
32.	Swagat Chutia	Prof. D. Deka	Energy	ENP15102	22-Jul-15	FT
33.	Barkhang Brahma	Prof. D.C. Baruah	Energy	ENP16003	28-Jan-16	FT
34.	Nilutpal Bhuyan	Prof. R Kataki	Energy	ENP17001	30-Jan-17	FT
35.	Doljit Borah	Prof. D. Deka	Energy	ENP17102	17-Jul-17	FT
36.	Niran Daimary	Prof. D. Deka	Energy	ENP17103	17-Jul-17	FT
37.	Himolin Basumatary	Dr. Aurba K. Das	Env. Sc	ESP14102	23-Jul-14	FT
38.	Rajat Shubro Bose	Prof. K.P. Sarma	Env. Sc	ESP14108	23-Jul-14	FT
39.	Sabhaz Ahmed	Prof. RR Hoque	Env. Sc	ESP16101	14-Jul-16	FT
40.	Subham Chandra Mondal	Dr. Nirmali Gogoi	Env. Sc	ESP16106	14-Jul-16	FT
41.	Manas Jyoti Das	Prof. S.C. Deka	F.E.T.	FPP16101	14-Jul-16	FT
42.	Gurajala Venkata Siva Bhagya Raj	Dr. K. K. Dash	F.E.T.	FPP17102	17-Jul-17	FT
43.	Avinash Kumar Jha	Dr. N. Sit	F.E.T.	FPP17104	17-Jul-17	FT

44.	Arun Kumar Gupta	Dr. P. Mishra	F.E.T.	FPP17106	17-Jul-17	FT
45.	Maanas Sharma	Dr. Khirod K Dash	F.E.T.	FPP17108	17-Jul-17	FT
46.	Shubham Rohilla	Prof. C L Mahanta	F.E.T.	FPP17109	17-Jul-17	FT
47.	Swapnil Prashant Gautam	Dr. M. K. Hazarika	F.E.T.	FPP17110	18-Jul-17	FT
48.	Pankaj Losan Sharma	Dr. S.K. Ray	MBBT	MBP14007	16-Jan-14	FT
49.	Saurav Phukan	Prof. S. Baruah	MBBT	MBP14009	16-Jan-14	FT
50.	Pitambar Baishya	Dr. Anand M Ramteke	MBBT	MBP14104	23-Jul-14	FT
51.	Taufikul Islam	Prof. A. K. Mukherjee	MBBT	MBP14106	23-Jul-14	FT
52.	Abhishek Chanda	Prof. Ashis K. Mukherjee	MBBT	MBP15105	22-Jul-15	FT
53.	Dipanjana Banerjee	Dr. S. Dasgupta	MBBT	MBP16003	18-Jan-16	FT
54.	Aparup Patra	Prof. Ashis K. Mukherjee	MBBT	MBP16006	18-Jan-16	FT
55.	Zaved Hazarika	Dr. A. N. Jha	MBBT	MBP16101	14-Jul-16	FT
56.	Pritam Bardhan	Dr. M. Mandal	MBBT	MBP16103	14-Jul-16	FT
57.	Kaushik Kumar Kritartha	Prof. B. K. Konwar	MBBT	MBP17101	17-Jul-17	FT
58.	Pawan Kumar	Prof. S. Baruah	MBBT	MBP17105	17-Jul-17	PT
59.	Manoj Suresh Sharma	Dr. R. Mukhopadhyay	MBBT	MBP17106	17-Jul-17	FT
60.	Muzamil Ahmad Rather	Prof. M. Mandal	MBBT	MBP17113	18-Jul-17	FT
61.	Sanjib Gogoi	Dr. S. Banerjee	Mech. Engg.	MEP17101	17-Jul-17	FT
62.	Subhajit Giri	Dr. Shuvam sen	Math.Sc.	MSP15102	22-Jul-15	FT
63.	Kuldeep Sarma	Dr. Debajit Kalita	Math.Sc.	MSP16101	14-Jul-16	FT
64.	Duranta Chutia	Dr. Rajib Haloi	Math.Sc.	MSP17101	17-Jul-17	FT
65.	Bikram Bir	Dr. Deepjyoti Goswami	Math.Sc.	MSP17102	17-Jul-17	FT
66.	Dharmaraj Deka	Dr. Shuvam sen	Math.Sc.	MSP17104	18-Jul-17	FT
67.	Madhurjya Lalung	Prof. J.K. Sarma	Physics	PHP16003	18-Jan-16	FT
68.	Pragyan Phukan	Prof. J.K. Sarma	Physics	PHP16102	14-Jul-16	FT
69.	Pritam Das	Dr. Mrinal Kr. Das	Physics	PHP17002	30-Jan-17	FT
70.	Ankur Nath	Dr. Ng.K. Francis	Physics	PHP17004	31-Jan-17	FT
71.	Aftab Ansari	Dr. D. Mohanta	Physics	PHP17102	17-Jul-17	FT
72.	Animesh Barman	Dr. Ng.K. Francis	Physics	PHP17106	17-Jul-17	FT
73.	Anshuman Borgohain	Dr. Rupjyoti Gogoi	Physics	PHP17107	17-Jul-17	FT
74.	Bichitra Bijay Boruah	Dr. Mrinal Kr. Das	Physics	PHP17110	17-Jul-17	FT
75.	Diganta Rabha	Dr. Pabitra Nath	Physics	PHP17112	18.7.2017	FT
76.	Akash Protim Gogoi	Prof. S. Baruah	MBBT	MBP13105	30-Jul-13	FT

List of PhD Female Students (Enrolled on or before 2017)

Sl	Name of students	Supervisor	Dept.	Roll no.	D.O.A	Cat
1	Plabita Gogoi	Prof. T.K. Maji	Chem.Sc.	CHP14105	23-Jul-14	FT
2	Babli Khatun	Prof. Tarun K. Maji	Chem.Sc.	CHP15105	22-Jul-15	FT
3	Bagmita Bhattacharyya	Dr. Nayanmoni Gogoi	Chem.Sc.	CHP16002	18-Jan-16	FT
4	Saheen Shehnaz Begum	Prof. R. C. Deka	Chem.Sc.	CHP16101	14-Jul-16	FT
5	Rakhee Saikia	Dr. U Bora	Chem.Sc.	CHP16103	14-Jul-16	FT
6	Shivane Borpatra Gohain	Prof. A. J. Thakur	Chem.Sc.	CHP16105	14-Jul-16	FT
7	Chiranjita Goswami	Dr. Pankaj Bharali	Chem.Sc.	CHP17001	30-Jan-17	FT
8	Jonali Das	Dr. Sajal Das	Chem.Sc.	CHP17003	30-Jan-17	FT
9	Sukanya Das	Prof. Ruli Borah	Chem.Sc.	CHP17102	17-Jul-17	FT

10	Gorishmita Borah	Dr. N. Gogoi	Chem.Scs.	CHP17103	17-Jul-17	FT
11	Dikshita Dowerah	Prof. R. C. Deka	Chem.Scs.	CHP17104	17-Jul-17	FT
12	Prantika Bhattacharjee	Dr. Utpal Bora	Chem.Scs.	CHP17106	17-Jul-17	FT
13	Gitashree Gogoi	Prof. T K Maji	Chem.Scs.	CHP17109	17-Jul-17	FT
14	Priyankamoni Saikia	Prof. S K Dolui	Chem.Scs.	CHP17110	17-Jul-17	FT
15	Julie Baruah	Prof. R C Deka	Chem.Scs.	CHP17112	17-Jul-17	FT
16	Shyamali Kalita	Dr. P. Puzari	Chem.Scs.	CHP17114	17-Jul-17	FT
17	Shahnaz Ahmed	Prof. S K Dolui	Chem.Scs.	CHP17115	17-Jul-17	FT
18	Sudakhina Saikia	Prof. R C Deka	Chem.Scs.	CHP17116	17-Jul-17	FT
19	Geeti Kaberi Dutta	Prof. N. Karak	Chem.Scs.	CHP17117	17-Jul-17	FT
20	Suman Lahkar	Prof. S K Dolui	Chem.Scs.	CHP17119	17-Jul-17	FT
21	Shrabani Das	Dr. Bipul Sarma	Chem.Scs.	CHP17120	17-Jul-17	FT
22	Barnali Barman	Dr. Swarnajyoti Patra	C.S.E.	csp15102	22-Jul-15	FT
23	Nilakshi Devi	Prof. Bhogeswar Borah	C.S.E.	CSP16001	18-Jan-16	FT
24	Deena Hijam	Dr. Sarat Saharia	C.S.E.	CSP16102	14-Jul-16	FT
25	Arundhati Das	Dr. Swarnajyoti Patra	C.S.E.	CSP16104	14-Jul-16	FT
26	Meenakshi Sharma	Prof. N. Sarma	C.S.E.	CSP17104	17-Jul-17	FT
27	Manaswita Saikia	Prof D.K. Bhattacharyya	C.S.E.	CSP16105	15-Jul-16	FT
28	Piyali Sen	Dr. S.S. Satapathy	C.S.E.	CSP17001	1-Feb-17	FT
29	Upasana Sarmah	Prof D.K. Bhattacharyya	C.S.E.	CSP17102	17-Jul-17	FT
30	Pallabi Patowary	Prof D.K. Bhattacharyya	C.S.E.	CSP17109	18-Jul-17	FT
31	Hilly Gohain Baruah	Dr. V. K. Nath	E.C.E.	ELP15107	9-Sep-15	FT
32	Kritanjali Das	Dr. S. Sharma	E.C.E.	ELP16005	18-Jan-16	FT
33	Trishna Barman	Dr. Bhabesh Deka	E.C.E.	ELP17101	17-Jul-17	FT
34	Velentina Das	Prof. D. Deka	Energy	ENP15002	16-Jan-15	FT
35	Minakshi Gohain (PWD)	Prof. D. Deka	Energy	ENP16101	14-Jul-16	FT
36	Honey Brahma	Dr.N. Sarmah	Energy	ENP16102	14-Jul-16	FT
37	Warisha Rahman	Dr. Raza Rafiqul Hoque	Env. Sc	ESP14103	23-Jul-14	FT
38	Dharitri Gogoi	Dr. Raza Rafiqul Hoque	Env. Sc	ESP14104	23-Jul-14	FT
39	Monashree Sarma Bora	Prof. K.P. Sarma	Env. Sc	ESP15101	22-Jul-15	FT
40	Dipti Gorh	Prof. K K Baruah	Env. Sc	ESP15102	22-Jul-15	FT
41	Rashmi Rekha Gogoi	Prof. KP Sarma	Env. Sc	ESP15103	22-Jul-15	FT
42	Parashmoni Borah	Dr. Amit Prakash	Env. Sc	ESP15104	22-Jul-15	FT
43	Sahrfaa Hussain	Prof. RR Hoque	Env. Sc	ESP16102	14-Jul-16	FT
44	Sarmistha Paul	Dr. S. S. Bhattacharya	Env. Sc	ESP16103	14-Jul-16	FT
45	Shilpa Baidya	Dr. Ashalata Devi	Env. Sc	ESP16104	14-Jul-16	FT
46	Bharati Paul	Prof. AK Das	Env. Sc	ESP16108	14-Jul-16	FT
47	Nijara Baruah	Dr. Nirmali Gogoi	Env. Sc	ESP16109	15-Jul-16	FT
48	Sabrina Begum		Env. Sc.	ESP17101	17-Jul-17	FT
49	Juri Chetia	Dr. Nirmali Gogoi	Env. Sc.	ESP17102	17-Jul-17	FT
50	Jinnashri Devi	Dr. S. S. Bhattacharya	Env. Sc.	ESP17103	17-Jul-17	FT
51	Mayanglambam Bidyalakshmi Devi	Dr. Ashalata Devi	Env. Sc.	ESP17104	20-Jul-17	FT
52	Lopamudra Sarma	Dr. Raj Kumar Duary	F.E.T.	FPP14103	24-Jul-14	FT
53	Gitanjali Gautam	Prof. Charu Lata Mahanta	F.E.T.	FPP15103	22-Jul-15	FT
54	Khawairakpam Chanu Salailenbi Mangang	Prof. S.C. Deka	F.E.T.	FPP15104	22-Jul-15	FT
55	Preeti Sarkar	Dr. Raj Kumar Duary	F.E.T.	FPP15105	22-Jul-15	FT
56	Vegonia Marboh	Prof. Charu Lata Mahanta	F.E.T.	FPP15108	23-Jul-15	FT
57	Singamayum Khurshida	Prof. S.C. Deka	F.E.T.	FPP15109	23-Jul-15	FT

58	Emnunhoi Haokip	Dr. Raj Kumar Duary	F.E.T.	FPP16001	18-Jan-16	FT
59	Makinei L V	Dr. Manuj Kumar Hazarika	F.E.T.	FPP16103	14-Jul-16	FT
60	Maibam Baby Devi	Prof. S.C. Deka	F.E.T.	FPP17001	20-Jan-17	FT
61	Sangita Muchahary	Prof. S C Deka	F.E.T.	FPP17107	17-Jul-17	FT
62	Chayanika Chaliha	Dr. E. Kalita	MBBT	MBP15002	16-Jan-15	FT
63	Ruksana Aziz	Dr. S. K. Ray	MBBT	MBP15005	16-Jan-15	FT
64	Kristi Kabyashree	Dr. S. K. Ray	MBBT	MBP15006	16-Jan-15	FT
65	Mrigyanika Chakravarty	Dr. S P G Ponnamm	MBBT	MBP15101	22-Jul-15	FT
66	Saynaz Akhter Choudhury	Dr. S. Dasgupta	MBBT	MBP16004	18-Jan-16	FT
67	Sushmita Pradhan	Dr. M. V. Satish Kuamr	MBBT	MBP16102	14-Jul-16	FT
68	Mayuri Bora	Prof. S. Baruah	MBBT	MBP16104	14-Jul-16	FT
69	Sayani Mazumder	Dr. S. Dasgupta	MBBT	MBP16105	14-Jul-16	FT
70	Minhaz Ahmed	Dr. T. Medhi	MBBT	MBP16107	14-Jul-16	FT
71	Yengkhom Damayanti Devi	Dr. N. D. Namsa	MBBT	MBP17001	9-Feb-17	FT
72	Munmi Borah	Prof. M. Mandal	MBBT	MBP17002	15-Feb-17	FT
73	Shreaya Das	Prof. B. K. Konwar	MBBT	MBP17003	15-Feb-17	FT
74	Rafika Yasmin	Dr. R. Doley	MBBT	MBP17102	17-Jul-17	FT
75	Mandira Basumatary	Prof. Anand Ramteke	MBBT	MBP17103	17-Jul-17	FT
76	Susmita Thakur	Dr. Robin Doley	MBBT	MBP17109	17-Jul-17	FT
77	Pooja Dutta	Dr. Dilip Datta	Mech. Engg.	MEP16101	14-Jul-16	FT
78	Anindita Sharma	Dr. Partha P Dutta	Mech. Engg.	MEP16102	15-Jul-16	FT
79	Amrita Deka	Dr. Dambarudhar Mohanta	Physics	PHP15005	16-Jan-15	FT
80	Bhagyalakhi Baruah	Prof. Ashok Kumar	Physics	PHP16001	18-Jan-16	FT
81	Pranju Priya Goswami	Dr. Rupjyoti Gogoi	Physics	PHP16106	14-Jul-16	FT
82	Namita Ojah	Dr. G.A. Ahmed	Physics	PHP17003	30-Jan-17	FT
83	Devalina Sarmah	Prof. Ashok Kumar	Physics	PHP17005	30-Jan-17	FT
84	Meenakshi Talukdar	Prof. P. Deb	Physics	PHP17101	17-Jul-17	FT
85	Nayana Gautam	Dr. Mrinal Kr. Das	Physics	PHP17103	17-Jul-17	FT
86	Mayuri Bora	Prof. P. Deb	Physics	PHP17104	17-Jul-17	FT
87	Ankita Bhagawati	Prof. Nilakshi Das	Physics	PHP17108	17-Jul-17	FT
88	Rukaiya Khatoon	Dr. Rup jyoti Gogoi	Physics	PHP17109	17-Jul-17	FT
89	Kabita Deka	Dr. G.A. Ahmed	Physics	PHP17113	18.7.2017	FT
90	Debashree Talukdar	Prof. S. Baruah	MBBT	MBP13106	30-Jul-13	FT

Yellow fill- Not yet enrolled

Note:

As per the guidelines published by Ministry of Home Affairs (MHA) order no. 40-3/2020-DM-I (A) dated September 30, 2020 serial no. 1 (ii), Department of Higher Education, Ministry of Education has permitted only the research scholars from Science and Technology stream requiring laboratory and experimental work to resume their research or academic assignments w.e.f. 15th October, 2020. Following the mentioned guidelines, PhD Scholars from Other Schools are not included in the first phase.