



Nano & Advanced Materials Division (Earlier NPNST)

List of project pre-proposals short-listed for next round of evaluation

The Department of Science and Technology had announced the call for proposals on Advanced Materials under NPNST during 1st September 2024 – 3rd October 2024 in the following thematic research areas:

1. Affordable and sustainable materials processing
2. Engineered low dimensional materials for optical and electronic applications
3. Structural materials for mobility applications
4. Bio-inspired materials for sensing and diagnostics
5. High performance materials for energy conversion
6. Theory/computational design of materials for the above verticals

Against this call, total of 3235 project pre-proposals were received by DST. Based on the administrative screening and technical reviews, the Expert Committee has short-listed only 139 project pre-proposals for next round of evaluation (**Enclosed at Annexure I**).

In evaluating each proposal, DST takes into consideration a number of factors such as merit of the proposal in relation to other proposals received by the Department in the above call; capability of the investigators, quantum of funds available for research support, priority areas, ongoing programmes with investigators, programmes already supported in the areas etc. Thus, many excellent proposals cannot be supported for reasons aside from intrinsic merit, although this is an important consideration. Even though we are unable to support this proposal, we encourage you to submit more focussed proposal in the next Call.

List of project pre-proposals short-listed for next round of evaluation

1. Affordable and sustainable materials processing

S. No.	TPN
1	116002
2	117654
3	118768
4	118114
5	115861
6	117687
7	116922
8	117624
9	116954
10	117520
11	118096
12	119341
13	119392
14	115950
15	117909
16	116958
17	117243
18	117465
19	116216
20	120048
21	117803
22	119204
23	120140
24	117314
25	119877
26	119135
27	118365

2. Engineered low dimensional materials for optical and electronic applications

S. No.	TPN
1	115453
2	118734
3	116883
4	118384
5	118991
6	119263

7	118940
8	119313
9	115918
10	118320
11	120187
12	119316
13	116398
14	117675
15	118898
16	119273
17	119433
18	120093
19	115456
20	116509
21	118640
22	118402
23	118864
24	118515
25	117754
26	116608
27	117065
28	117139
29	118551
30	117074
31	118236
32	118203
33	119085

3. Structural materials for mobility applications

S. No.	TPN
1	117568
2	117880
3	118458
4	118809
5	116908
6	116904
7	119530
8	118939
9	116654
10	116947
11	117123
12	118999
13	116979

14	119720
15	119376

4. Bio-inspired materials for sensing and diagnostics

S. No.	TPN
1	119026
2	117760
3	118473
4	115361
5	119545
6	119620
7	119796
8	116777
9	117980
10	119057
11	116639
12	117032
13	119294
14	118575
15	118607
16	119054
17	118407
18	115684
19	117312
20	116836
21	117460
22	118492
23	118748
24	118957
25	117330
26	117561
27	116469
28	117290

5. High performance materials for energy conversion

S. No.	TPN
1	119895
2	119233
3	119405
4	119503
5	116041
6	117098

7	117780
8	115917
9	118648
10	117913
11	118609
12	117692
13	117747
14	117820
15	117859
16	118907
17	119868
18	119776
19	115600
20	120046
21	118094
22	115979
23	119198
24	116466
25	117439
26	118472
27	118624

6. Theory/computational design of materials for the above verticals

S. No.	TPN
1	117889
2	118062
3	118115
4	115298
5	117327
6	119247
7	118654
8	117205
9	117792
