Supplementary Figure captions

Fig S1. Tauc plot of IFC (a) direct and (b) indirect band gap energy.

Fig S2. Indexed powder XRD patterns of IFC.

Fig S3. 3D images of Hydrogen bonding interaction (a) ORTEP and (b) packing of IFC.

Fig S4. Relative contribution of various intermolecular interactions in IFC.

Fig. S5. Projection of crystal packing along a-axis with the C–H···O interactions.

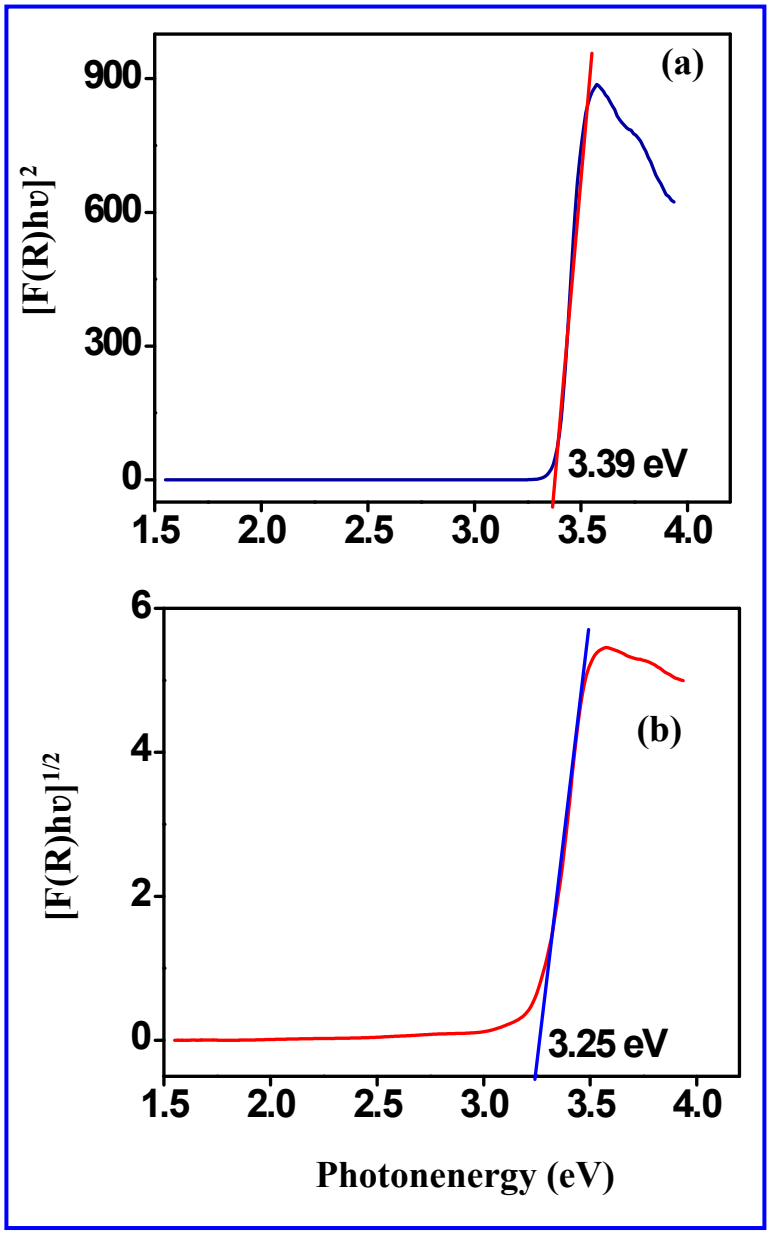
(a)
900
600
300
0
[F(R)hυ]²
3.39 eV
1.5
2.0
2.5
3.0
3.5
4.0
6
4
2
0
[F(R)hυ]^1/2
(b)
3.25 eV
Photonenergy (eV)

Fig. S1

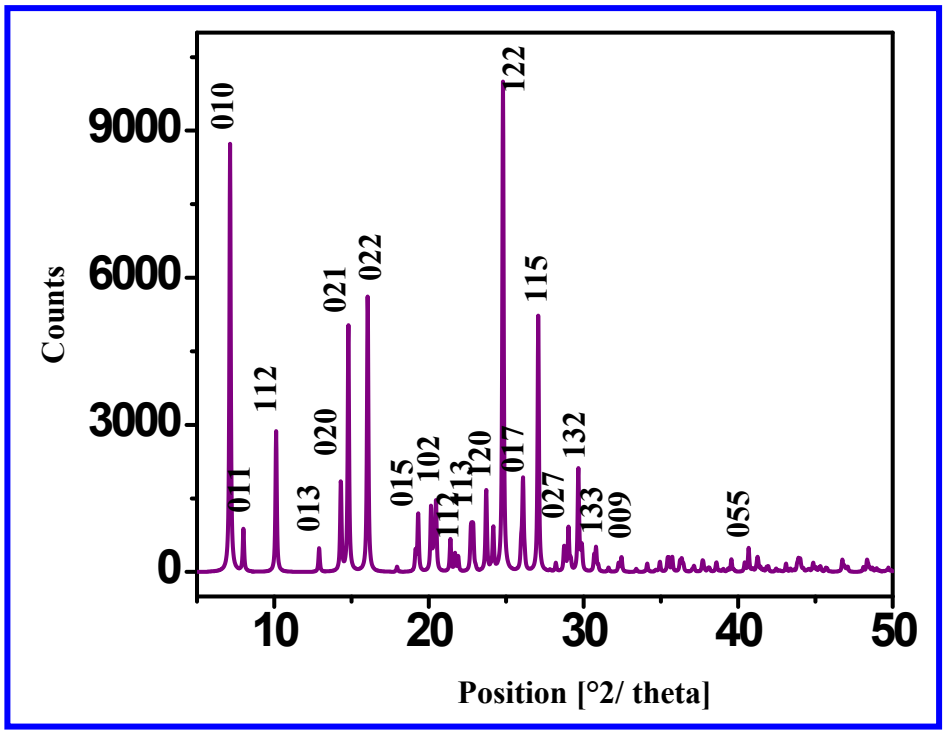
Counts
9000
6000
3000
0
10
20
30
40
50
Position [°2/ theta]
010
011
112
013
020
021
022
015
102
112
113
120
122
017
115
027
132
133
009
055

Fig. S2

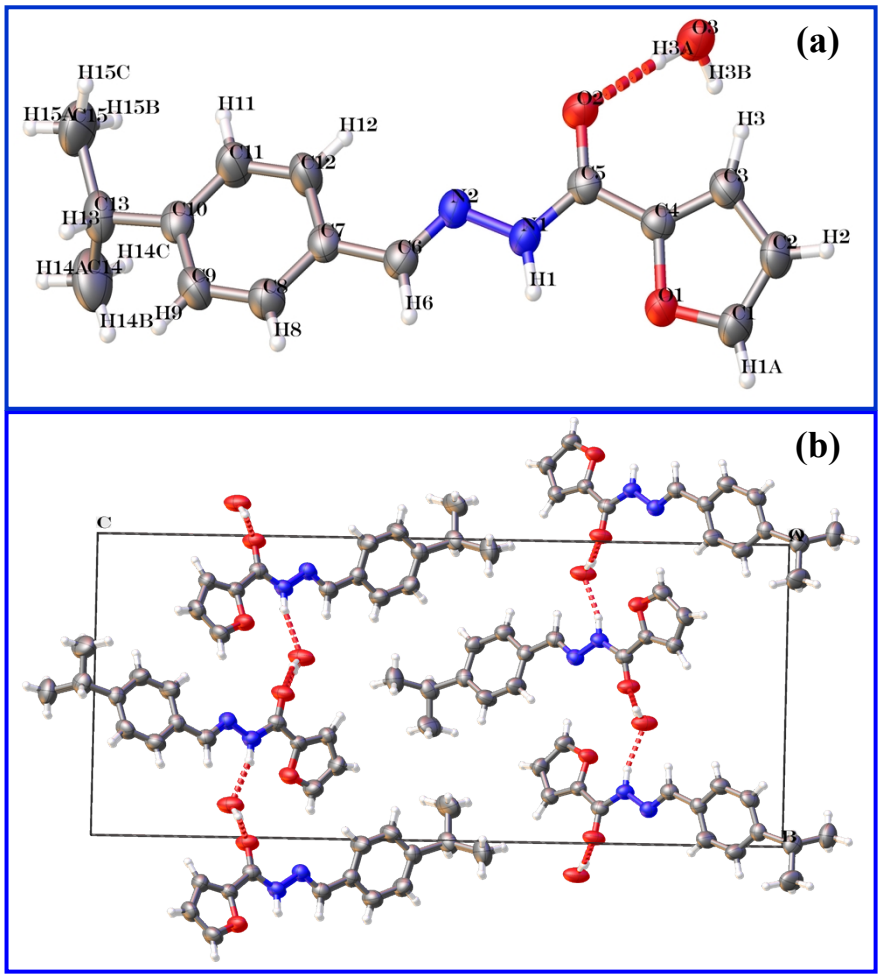
(a)
O3
H3A
H3B
O2
H3
C3
C5
C4
C2
H2
O1
C1
H1A
H15C
H15A
H15B
C15
H11
H12
C11
C12
C13
H13
C10
C7
C6
N2
N1
H1
H6
H14C
H14A
C14
C9
C8
H14B
H9
H8
(b)
C
B

Fig. S3

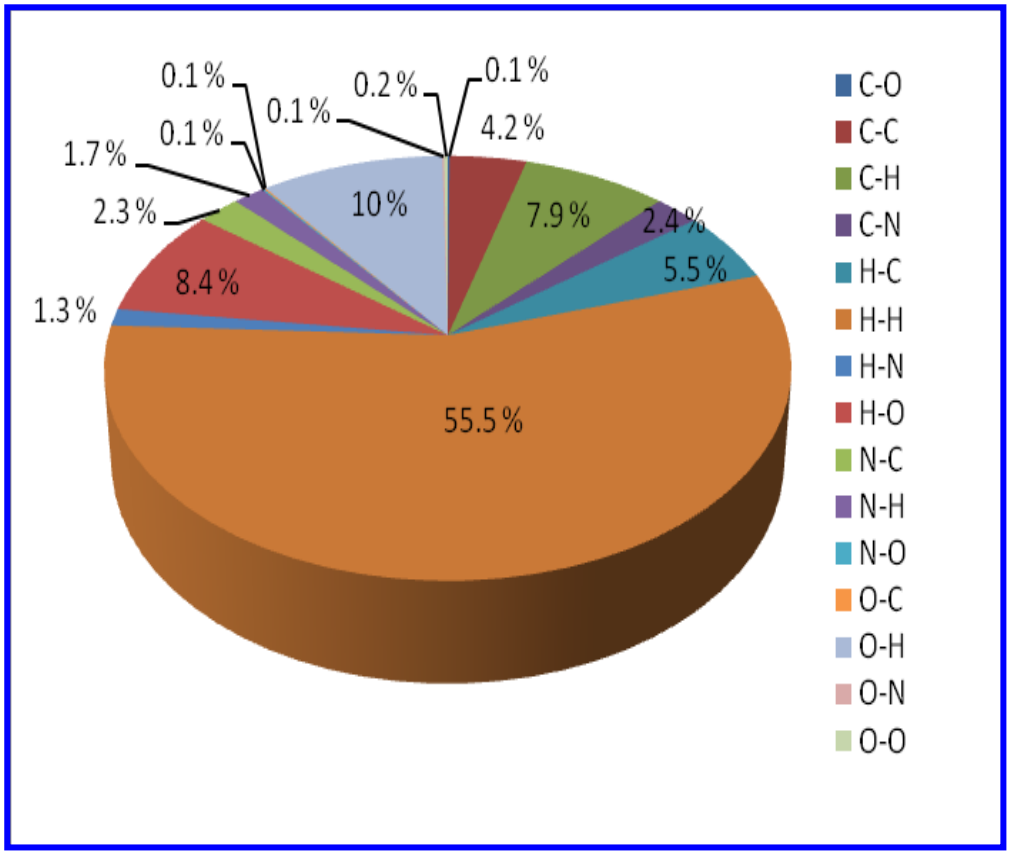
0.1%
0.1%
0.2%
0.1%
4.2%
0.1%
1.7%
7.9%
2.4%
2.3%
10%
5.5%
8.4%
1.3%
55.5%
C-O
C-C
C-H
C-N
H-C
H-H
H-N
H-O
N-C
N-H
N-O
O-C
O-H
O-N
O-O

Fig. S4

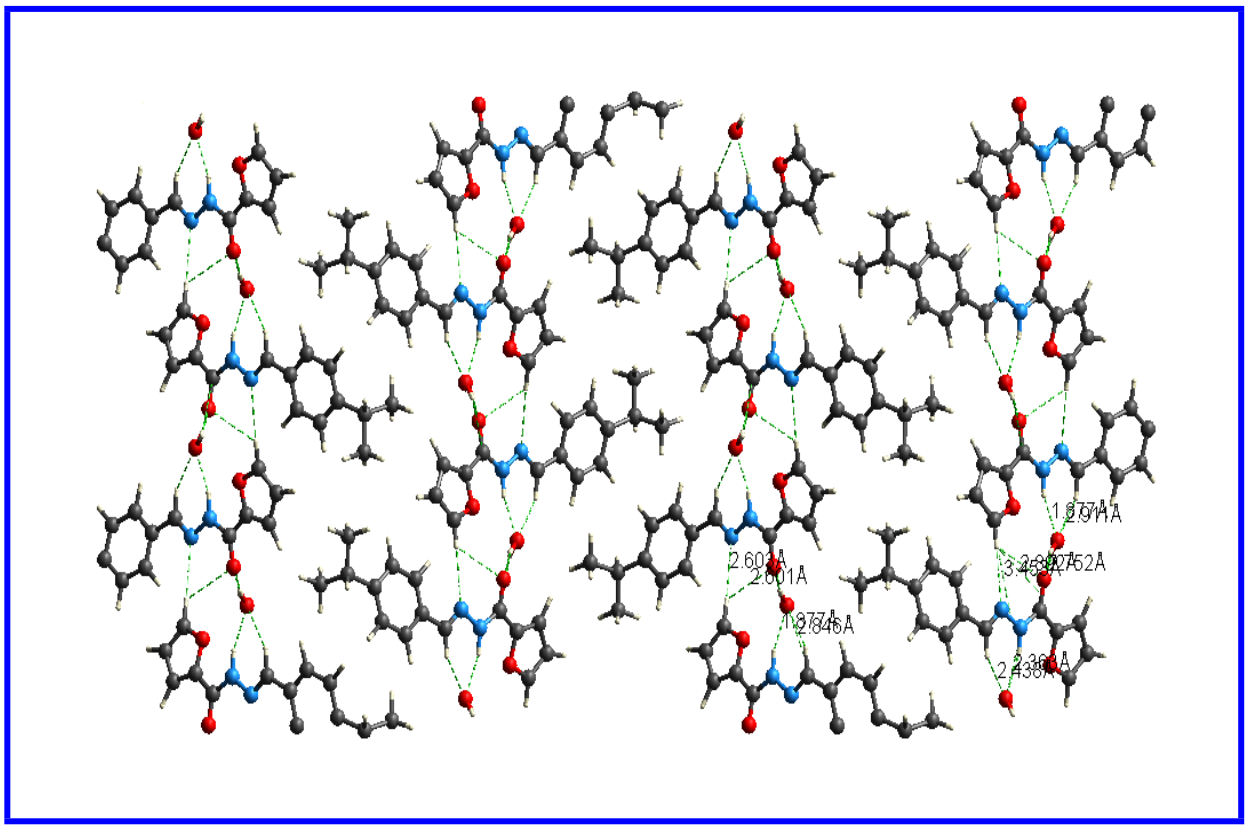

Fig. S5

Table S1 Observed vibrational bands of IFC (cm^{-1})

Assignments of vibration	FT-IR
C=O stretching	1643
C=N stretching	1616
Aromatic C=C stretching	1521,1473
Aromatic C-H stretching	3112, 3134
N-H asymmetric stretching	3424
N-H bending	1584
O=C-N stretching	1019
C-O-C stretching	1189
Aliphatic C-H stretching	2953,2882,2843
Aliphatic C-H deformation	832
Aromatic C-H out of plane bending	745