

2009 – 10

Filed in India

S. NO.	NFNO	TITLE	INVENTORS	PROV FILING DATE	COMP FILING DATE	APPLICATION NO.	GRANT DATE	PATENT NO.
1	0148NF2008/IN	TRACKING AND MONITORING SYSTEM FOR OPENCAST MINES	LAKSHMI KANTA BANDYOPADHYAY, SWADES KUMAR CHAULYA, PANKAJ KUMAR MISHRA	---	21/04/2009	0832DEL2009	---	---
2	0149NF2008/IN	PROXIMITY WARNING SYSTEM FOR HEAVY EARTH MOVING MACHINERY	LAKSHMI KANTA BANDYOPADHYAY, SWADES KUMAR CHAULYA, PANKAJ KUMAR MISHRA	---	07/09/2009	1841DEL2009	---	---
3	0117NF2009/IN	A DEVICE FOR ROOF SUPPORT OF UNDERGROUND MINE/TUNNEL	SUDHIR KUMAR KASHYAP, AMALENDU SINHA	19/02/2010	31/Jan/2011	0374DEL2010	-	-

2010 – 11

Filed in India

S.No	NFNO	Title	Inventors	Prov. Filing Date	Comp. Filing Date	Application No.	Gtant Date	Patent No.
1	0064NF2010/IN	A COMPOSITION AND MANUFACTURING PROCESS OF RESIN CAPSULES SUITABLE AS GROUTING MATERIAL FOR UNDERGROUND MINES	JAGDISH, MANOJ KUMAR, SUSHIL KUMAR, ZULFIQUAR AHMAD	20/07/2010	---	1692DEL2010	---	---
2	0168NF2010/IN	ROAD DUST COLLECTING AND BRIQUETTING SYSTEM FOR COAL MINES	LAKSHMI KANTA BANDYOPADHYAY, SWADES KUMAR CHAULYA, PANKAJ KUMAR MISHRA, MANOJ KUMAR SINGH, SURAJIT DEY	02/11/2010	---	2619DEL2010	---	---
3	0067NF2010/IN	PURGING OR VENTILATION SYSTEM AND CONTROL UNIT OR APPARATUS FOR INCREASED SAFETY AND NON-SPARKING MOTORS FOR EXPLOSIVE GAS AND DUST ATMOSPHERES	VISHWAKARMA RAJENDRA KUMAR, SINGH ARVIND KUMAR, AHIRWAL BHAGIRATH	29/03/2011	---	0865DEL2011	---	---
4	0149NF2008/IN	PROXIMITY WARNING SYSTEM FOR HEAVY EARTH MOVING MACHINERY	LAKSHMI KANTA BANDYOPADHYAY, SWADES KUMAR CHAULYA, PANKAJ KUMAR MISHRA	07/09/2009	07/09/2010	1841DEL2009	---	---
5	0117NF2009/IN	A DEVICE FOR ROOF SUPPORT OF UNDERGROUND MINE/TUNNEL	SUDHIR KUMAR KASHYAP, AMALENDU SINHA	19/02/2010	21/01/2011	0374DEL2010	---	---

2011 – 12

Filed in India

S. NO.	NFNO	TITLE	INVENTORS	PROV FILING DATE	COMP FILING DATE	APPLICATION NO.	GRANT DATE	PATENT NO.
1	0064NF2010/IN	A COMPOSITION AND MANUFACTURING PROCESS OF RESIN CAPSULES SUITABLE AS GROUTING MATERIAL FOR UNDERGROUND MINES	JAGDISH, MANOJ KUMAR, SUSHIL KUMAR, ZULFIQUAR AHMAD	20/07/2010	20/07/2011	1692DEL2010		
2	0168NF2010/IN	ROAD DUST COLLECTING AND BRIQUETTING SYSTEM FOR COAL MINES	LAKSHMI KANTA BANDYOPADHYAY, SWADES KUMAR CHAULYA, PANKAJ KUMAR MISHRA, MANOJ KUMAR SINGH, SURAJIT DEY	02/11/2010	12/09/2011	2619DEL2010		
3	0067NF2010/IN	PURGING OR VENTILATION SYSTEM AND CONTROL UNIT OR APPARATUS FOR INCREASED SAFETY AND NON-SPARKING MOTORS FOR EXPLOSIVE GAS AND DUST ATMOSPHERES	VISHWAKARMA RAJENDRA KUMAR, SINGH ARVIND KUMAR, AHIRWAL BHAGIRATH	29/03/2011	29/03/2012	0865DEL2011		

2012 – 13

Filed in India

S. NO.	NFNO	TITLE	INVENTORS	PROV FILING DATE	COMP FILING DATE	APPLICATION NO.	GRANT DATE	PATENT NO.
1	0088NF2010/IN	P5 EMULSION COMPOSITION FOR UNDERGROUND COALMINES AND OTHER EXCAVATION WORKS AND A PROCESS FOR PREPARING THE SAID EXPLOSIVE	BRAJ MOHAN PAT PINGUA, NABIULLAH	22/09/2011	21/09/2012	2759DEL2011		
2	0012NF2012/IN	A BIODEGRADABLE AND ECO - FRIENDLY DUST SUPPRESSANT CHEMICAL FOR UNPAVED HAUL ROADS AND STOCK PILE, BLASTED MATERIAL HANDLING IN MINES AND OTHER DUST PRONE AREAS	PANDEY JAI KRISHNA, TRIVEDI SHRENIK MADHUSUDAN, TRIVEDI RUSHAY SHRENIK, JANI URJA FALGUN, VYAS BHAVTOSH RAJNIKANT, KUMAR AJAY	14/03/2012	13/03/2013	0410DEL2012		

2013 – 14

Filed in India

S. NO.	NFNO	TITLE	INVENTORS	PROV FILING DATE	COMP FILING DATE	APPLICATION NO.	GRANT DATE	PATENT NO.
1	0174NF2011	A DEVICE FOR MEASURING ROOF CONVERGENCE IN MECHANIZED COAL MINE WORKINGS / TUNNELS / CAVERNS	KUSHWAHA ANGAD, TEWARI SUBHASHISH, BHATTACHARJEE RANA		20/12/2013	3725DEL2013		
2	0190NF2011	WIRELESS STRATA INFORMATION SYSTEM FOR UNDERGROUND OPENINGS	PANKAJ KUMAR MISHRA, ANGAD KUSHWAHA, PRABHAT KUMAR MANDAL, AMALENDU SINHA		08/10/2013	2993DEL2013		
3	0165NF2012	LANDSLIDE DETECTION AND ALERTING SYSTEM USING WIRELESS SENSOR NETWORK	SWADES KUMAR CHAULYA, PANKAJ KUMAR MISHRA, GIRENDRA MOHAN PRASAD, SATYAJIT RATH, DEBI PRASAD SANDHA, SANJEEV KUMAR PANDEY, PRATAP CHANDRA SARMAH, KHIROD BURAGOHAIN, PRABHAT KOTOKY		19/08/2013	2444DEL2013		

2014-15

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S. NO.	NFNO	TITLE	INVENTORS	PROV FILING DATE	COMP FILING DATE	APPLICATION NO.	GRANT DATE	PATENT NO.
1	0222NF2014/IN	FLUE GAS RECIRCULATION SYSTEM FOR OXY FUEL COAL COMBUSTION IN PULVERIZED COAL FIRED COMBUSTOR	MANISH KUMAR, ASHIS MUKHERJEE, ASHIS KUMAR ADAK, SUBHASIS BISWAS		25/Sep/2014	2750DEL2014		
2	0241NF2014/IN	A PROCESS FOR INCREASING CARBON DIOXIDE CONCENTRATION IN FLUE GAS	ASHIS MUKHERJEE, MANISH KUMAR, SANTI GOPAL SAHU, ASHIS KUMAR ADAK, SUBHASIS BISWAS		28/Jan/2015	0232DEL2015		

2015 – 16

Filed in India

S. NO.	NFNO	TITLE	INVENTORS	PROV FILING DATE	COMP FILING DATE	APPLICATION NO.	GRANT DATE	PATENT NO.
1	0117NF2015/IN	A PROCESS OF REDUCTION OF OVERALL ASH PERCENTAGE OF COAL	DEVENDRA KUMAR SAKHARE, SHRIPAL SINGH, RANJIT KUMAR ACHARYA, PRAKASH D CHAVAN, RAHUL MEHATRE, SWATI SINGH		01/Jul/2015	1977DEL2015		
2	0106NF2015/IN	A MINE TRANSPORT SURVEILLANCE SYSTEM FOR MONITORING AND CONTROLLING TRANSPORTATION OF MINERALS FOR OPENCAST MINES	SWADES KUMAR CHAULYA, GIRENDRA MOHAN PRASAD		13/Jul/2015	2107DEL2015		
3	0118NF2015/IN	AN INTEGRATED STRATA, GAS AND ENVIRONMENT MONITORING SYSTEM FOR UNDERGROUND MINES.	SWADES KUMAR CHAULYA, GIRENDRA MOHAN PRASAD, AJAY KUMAR SINGH		12/Aug/2015	2477DEL2015		
4	0243NF2015/IN	A METHOD TO DESIGN OPTIMUM SIZE OF RIB/SNOOK IN MECHANISED DEPILLARING UNDER MODERATE ROOF STRATA	SINGH RAJENDRA, SINGH ARUN KUMAR, RAM SAHENDRA, KUMAR ASHOK, KUMAR RAKESH, SINGH AMIT KUMAR		18/Nov/2015	3765DEL2015		

5	0234NF2015/IN	STEMMING-PLUG AUGMENTING RESISTANCE TO STEMMING IN HOLES (SPARSH)	SAHARAN MANI RAM		11/Jan/2016	201611000896		
6	0017NF2016/IN	LOCAL METHANE DETECTOR FOR HAZARDOUS AREAS	CHAULYA SWADES KUMAR, PRASAD GIRENDRA MOHAN, SINGH AJAY KUMAR	30/Mar/2016	06/Mar/2017	201611011071		
7.	0107NF2015/IN	WATER RESISTANT AMMONIUM NITRATE FUEL OIL MIXTURE FOR WATERY HOLE BLASTING AND PROCESS FOR PREPARING THE FUEL COMPOSITION	BRAJ MOHAN PAT PINGUA, MOHAMMAD NABIULLAH	27/10/15	26/10/16	3471DEL2015		

2016 – 17

Filed in India

S. NO.	NFNO	TITLE	INVENTORS	PROV FILING DATE	COMP FILING DATE	APPLICATION NO.	GRANT DATE	PATENT NO.
1	0107NF2015/IN	WATER RESISTANT AMMONIUM NITRATE FUEL OIL MIXTURE FOR WATERY HOLE BLASTING AND PROCESS FOR PREPARING THE FUEL COMPOSITION	BRAJ MOHAN PAT PINGUA, MOHAMMAD NABIULLAH	27/10/2015	25/10/2016	3471DEL2015		
2	0019NF2016/IN	PROCESS FOR SEQUESTRATION OF CO ₂ AND TRACES OF HYDROCARBON FROM NATURAL GAS PROCESSING INDUSTRY BY MICRO ALGAE	VETRIVEL ANGUSELVI, LAL CHAND RAM, REGINALD EBHINMASTO, PARIVESH CHUGH, RAJ KUMAR KASHYAP, RENU SINHA	26/10/2016	26/Oct/2017	201611036660		
3	0197NF2016/IN	A PROCESS FOR HE PREPARATION OF SLOW RELEASE POTASSIUM FERTILIZER FROM COMBUSTION WASTES OF BIOMASS BASED POWER PLANTS	MASTO REGINALD EBHIN, RAM LAL CHAND, DUTTA PASHUPATI, THAKUR SANJAY KUMAR, GEORGE JOSHY, DAS TARIT BARAN, MUKHERJEE ASHIS, ANGUSELVI VETRIVEL		01/12/2016	201611041058		

4	0244NF2016/IN	A METHOD FOR EFFICIENT DESIGN OF ROOF BOLT BASED BREAKER LINE SUPPORT IN MECHANISED DEPILLARING	RAM SAHENDRA, SINGH RAJENDRA, KUMAR DHEERAJ, SINGH ARUN KUMAR, KUMAR ASHOK, KUMAR RAKESH, SINGH AMIT KUMAR		10/01/2017	201711001140		
5.	0009NF2017/IN	A DEVICE FOR 'DIRECTIONAL ILLUMINATED SUPPORT UNDER HARSH AMBIENCE (DISHA)'	SAHARAN MANI RAM, CHAULYA SWADES KUMAR, SAURABH KUNAL, RAJPUROHIT PUSHPENDRA		01/Mar/2017	201711007179		
6	0017NF2016/IN	LOCAL METHANE DETECTOR FOR HAZARDOUS AREAS	CHAULYA SWADES KUMAR, PRASAD GIRENDRA MOHAN, SINGH AJAY KUMAR	30/Mar/2016	06/Mar/2017	201611011071		

2017-18

Filed in India

S. NO.	NFNO	TITLE	INVENTORS	PROV FILING DATE	COMP FILING DATE	APPLICATION NO.	GRANT DATE	PATENT NO.
1	0116NF2017/IN	FLEXIBLE COLD MODEL SET UP FOR DEVELOPING CHEMICAL LOOPING COMBUSTION SYSTEM	PRADIP KUMAR CHATTERJEE, MALAY KUMAR KARMAKAR, CHANCHAL LOHA, BISWAJIT CHAKRABORTY, ASHIS MUKHERJEE, PINAKI SARKAR, MANISH KUMAR, SUDIPTA DATTA, SANTI GOPAL SAHU, ASHIS KUMAR ADAK, ASHWANI KUMAR DUBEY, SUJIT KUMAR DUTTA		28/Apr/2017	201711015095		
2	0019NF2016/IN	PROCESS FOR SEQUESTRATION OF CO ₂ AND TRACES OF HYDROCARBON FROM NATURAL GAS PROCESSING INDUSTRY BY MICRO ALGAE	V ANGUSELVI, LC RAM, R EBHINMASTO, P CHUGH, RK KASHYAP, R SINHA		26/Oct/2017	201611036660		
3	0174NF2017/IN	VISION IMPROVEMENT DEVICE FOR HARSH ATMOSPHERE CAUSED BY TEMPERATURE ATTENUATION (VIDHATA)	SK CHAULYA, G BANERJEE, PK SINGH, GM PRASAD, V KUMAR, D CHATTERJEE, R KUMAR, KUNAL SAURAV		08/03/2018	201811808681		

2018-19

Filed in India

S. NO.	NFNO	TITLE	INVENTORS	PROV FILING DATE	COMP FILING DATE	APPLICATION NO.	GRANT DATE	PATENT NO.
1	0177NF2017/IN	PRESSURIZED FLUIDIZED BED GASIFICATION PILOT SCALE TEST FACILITY WITH THE PROVISION OF EXTERNAL HEATING TO TEST THE HIGH ASH COALS, BIOMASS, REJECTS AND THEIR BLENDS.	PRAKASH D. CHAVAN, SUDIPTADATTA, SUJAN SAHA, GAJANANSAHU, PASHUPATI DUTTA, PRADEEP KUMAR SINGH	13/04/2018		201811014119		
2	0196NF2017/IN	AN INTELLIGENT DUST SUPPRESSION SYSTEM FOR MINING APPLICATIONS	SWADES KUMAR CHAULYA, TEJ BAHADUR SINGH, GAUTAM BANERJEE, PRADEEP KUMAR SINGH, NARESH KUMAR, VIRENDRA KUMAR, SINGH JITENDRA KUMAR, TANMOYA NEMAI GHOSH, RANJEET MANDAL, DEBASHIS CHATTERJEE		16/04/2018	201811014398		
3	0201NF2017/IN	A NOVEL PORTABLE DEVICE FOR PROVIDING HYDRATION IN REMOTE AREAS	PALLABI DAS, S.K. KASHYAP, G.C. MONDAL, K.K.K. SINGH, PRADEEP KUMAR SINGH		16/04/2018	201811014399		

4	0046NF2018/IN	A CHEMICAL INHIBITOR COMPOSITION FOR CONTROLLING AND COMBATING HIGH INTENSITY FIRE IN SURFACE COAL MINES	RAN VIJAY KUMAR SINGH, NIROJ KUMAR MOHALIK, RAKESH KUMAR MISHRA, DURGA DUTT TRIPATHI, AJAY KHALKHO, JITENDRA PANDEY, PRADEEP KUMAR SINGH, RAJESH HIRALAL SABDRA.		24/05/2018	201811019438		
5.	0216NF2017	BIOMETRIC-BASED EXPLODER	CHAULYASWADES KUMAR, ROY SANJAY KUMAR, PAL ROY PIJUSH, SINGH PRADEEP KUMAR, BANERJEE GAUTAM, SINGH JITENDRA KUMAR, NARESH KUMAR, VIRENDRA KUMAR, CHATTERJEE DEBASHIS, GHOSH TANMOYANEMAI		26/10/2018	201811040426		
6.	0012NF2018	BIOMETRIC-BASED THEFT CONTROL DEVICE FOR TWO WHEELERS	SWADES KUMAR CHAULYA, GAUTAM BANERJEE PRADEEP KUMAR SINGH, NARESH KUMAR, VIRENDRA KUMAR, DEBASHIS CHATTERJEE, TANMOYA NEMAI GHOSH		26/10/2018	201811040428		
7.	0083NF2018	AUTOMATIC HEADLAMP DIMMING DEVICE.	SWADES KUMAR CHAULYA, GAUTAM BANERJEE, PRADEEP KUMAR SINGH, GIRENDRA MOHAN PRASAD, DEBASHIS CHATTERJEE, NARESH KUMAR, VIRENDRA KUMAR, JITENDRA KUMAR SINGH, KUNAL SAURABH		26/10/2018	201811040427		
8.	0089NF2018	BLOCKS AND SAND MANUFACTURING PROCESS USING MINE WASTES	SWADES KUMAR CHAULYA, RAJ SHEKHAR SINGH, SAILENDRA KUMAR SINGH, KRISHNA KANT KUMAR SINGH, GAUTAM BANERJEE, PRADEEP KUMAR SINGH, RANJIT KUMAR SINGH, DEBASHIS CHATTERJEE, KUNAL SAURABH, VIRENDRA KUMAR		26/10/2018	201811040429		
9.	0178NF2017	DUAL HEIGHT PARTIAL RECOVERABLE BOLT.	RANJAN KUMAR, NIRAJ KUMAR, GAUTAM BANERJEE		26/10/2018	201811040691		

10.	0151NF2018	INTRINSICALLY SAFE DIGITAL FUEL METER	JITENDRA KUMAR SINGH, SWADESH KUMAR CHAULYA, GAUTAM BANERJEE, PRADEEP KUMAR SINGH, GIRENDRA MOHAN PRASAD, ABHISHEK CHOWDHURY , NARESH KUMAR, VIRENDRA KUMAR		17/12/2018	201811047607		
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2019-20

Patent Filed in India

SL. No.	NF NUMBER	TITLE	INVENTORS	PROVISIONAL FILING DATE	COMPLETE FILING DATE	APPLICATION NUMBER	DATE OF GRANT	PATENT NUMBER
1.	0056NF2019	SELF-RETRACTABLE COVER SYSTEM FOR DUMP TRUCKS	RANJAN KUMAR, ASHISH NARAYAN, NIRAJ KUMAR, AFZAL HUSSAIN, GAUTAM BANERJEE	.....	02-MAY-19	201911017477	.....	.....
2.	0095NF2017	A DEVICE FOR WHEEL CONTROLLED ODOURLESS AND WATERLESS SEWAGE DISCHARGE SYSTEM IN TRAINS	SUDHIR KUMAR KASHYAP, PRADEEP KUMAR SINGH	.....	14-JUN-19	201911023586	.....	.....
3.	0090NF2018	A SYSTEM AND METHOD FOR REAL-TIME MONITORING OF STRATA BEHAVIOR IN UNDERGROUND AND OPENCAST MINE	RANJAN KUMAR, DILIPKUMBHAKAR, SUJIT KUMAR MANDAL, JITENDRA KUMAR SINGH, SANDIPORAON, GAUTAM BANERJEE	.....	15-Nov-19	201911046581	.....	.....
4.	0173NF2019	A COMPOSITION AND METHOD FOR PREPARATION THEREOF FOR SUPPRESSION OF DUST GENERATED IN BLASTING OPERATIONS	FIROJ ALI, BRAJ MOHAN PAT PINGUA, PRADEEP KUMAR SINGH	.....	03-JAN-20	202011000277	.....	.....

2020-21

Filed in India

SNo	NFNO	TITLE	INVENTORS	PROV. FILING DATE	COMP. FILING DATE	APPLICATION No.	GRANT DATE	PATENT No.
1	0149NF2019/IN	A PROCESS FOR THE PREPARATION OF BIOMETHANE AND VALUE ADDED PRODUCTS FROM COAL MILL REJECTS BY RARE ARCHAEA	VETRIVELANGUSELVI, ASHISH MUKHERJEE, ASHOK KUMAR SINGH, PRADEEP KUMAR SINGH, REGINALD EBHINMASTO, PIYUSH SRIVASTAVA, RAJIV SATYAKAM, PRANAY, SATYA PRAKASH	---	17/JUN/2020	202011025412	---	---
2	0028NF2018/IN	A SYSTEM AND METHOD FOR REAL TIME CONVERGENCE MONITORING OF UNDERGROUND DRIVAGES.	KUMBHAKAR DILIP, BANERJEE GAUTAM, MANDAL SUJIT KUMAR, YADAVA KESHAR PRASAD, CHATTERJEE ADITI, MAHATO PREM CHAND	---	29/JUN/2020	202011027504	---	---
3	0002NF2020/IN	DIGITAL MINE USING INTERNET OF THINGS	CHAULYA SWADES KUMAR, PRASAD GIRENDRA MOHAN, MANDAL SUJIT KUMAR, BANERJEE GAUTAM, SINGH PRADEEP KUMAR, CHOWDHURY ABHISHEK, PREITY, NARESH KUMAR, VIRENDRA KUMAR, SINGH JITENDRA KUMAR, CHANDAN KUMAR, PANDIT DEWANGSHU, MITRA MITRABARUN, MISHRA SHYAM SUNDAR, KHUSBHUKUMARI, MISHRA RICHA, KUNAL SAURABH, DEY PRASANJIT, MD. NADIM, SAW GOPALJEE	---	10/JUL/2020	202011029344	---	---
4	0083NF2020/IN	GRAPHITIZATION OF HEAT ALTERED COAL WASTE IN THE FORM OF NATURAL COKE	ASHOK KUMAR SINGH, PRADEEP KUMAR SINGH	---	15/JUL/2020	202011030084	---	---

5	0006NF2020/IN	PORTABLE WEATHER AND ENVIRONMENT MONITORING SYSTEM	CHAULYA SWADES KUMAR, PRASAD GIRENDER MOHAN, MANDAL SUJIT KUMAR, BANERJEE GAUTAM, SINGH PRADEEP KUMAR, CHANDAN KUMAR, MD. NADEEM, PANDIT DEWANGSHU, MISHRA RICHA	---	30/AUG/2020	202011037361	---	---
6	0167NF2019/IN	AN OVEN AND METHOD FOR COMPLETE CARBONIZATION OF VOLATILE MATTER	MANISH KUMAR, GAUTAM KUMAR BAYEN, MONALISA GANGOPADHYAY, RAJIV RANJAN, TARUN PRAMANIK, ASHISH MUKHARJEE, PRADEEP KUMAR SINGH	---	31/AUG/2020	202011037374	---	---
7	0116NF2019/IN	TITLE: A DEVICE AND METHOD OF SPLITTING BLAST HOLES WITH DETONATING FUSE	MORE RAMULU, PARTHO BISWAPATI CHOUDHURY, PRADEEP KUMAR SINGH	---	15/OCT/2020	202011045348	---	---
8	0123NF2020/IN	A NOVEL PROCESS FOR THE DETERMINATION OF EQUILIBRATED MOISTURE IN COAL	ASHOK KUMAR SINGH, SANJAY KUMAR THAKUR, PRADEEP KUMAR SINGH, ARNOLD LUWANG USHAM, PRABAL BORAL, BODHISATWA HAZRA, SUJAN SAHA	---	19/OCT/2020	202011045585	---	---
9	0137NF2020/IN	AN IMPROVED PROCESS OF BENEFICIATION OF WASHERY GRADE VI COAL FOR PRODUCTION OF UPGRADED COKING COALS AND POWER COALS	UDAY SANKAR CHATTOPADHYAY, THONANGI GOURICHARAN, SUBHASH CHANDRA MAJI, PRADEEP KUMAR SINGH	11/JAN/2021	---	202111001135	---	---
10	0139NF2020/IN	DEVELOPMENT OF THERMOGRAVIMETRIC REACTOR (TGR) TO STUDY WEIGHT CHANGES AND A PROCESS THEREOF	PRAKASH DHONDIRAM CHAVAN, SUJAN SAHA, GAJANAN SAHU, SUDIPTA DATTA, VISHAL CHAUHAN, NILESH DHANANJAY DHAIGUDE, PRADEEP KUMAR SINGH	11/JAN/2021	---	202111001133	---	---
11	0031NF2021/IN	A PROCESS FOR PREPARATION OF AMMONIUM NITRATE FUEL OIL EXPLOSIVES COMPOSITION BY RECYCLING WASTE LUBRICANT OIL	FIROJ ALI, MURARI PRASAD ROY, BRAJ MOHAN PAT PINGUA, PRADEEP KUMAR SINGH	---	31/MAR/2021	202111014942	---	---