

Monthly Project Completion Report from RPBD

Projects to be Completed by March 2021

S. No.	Project No.	Project Title	Start Date	End Date	Sponsor	Prtoject Leader	Contract Value (in lakhs)	Cash Flow (in lakhs)	External Payments (in lakhs)	Equipment Usage (in lakhs)
1	CLP 0192	Development of process for real time temperature mapping of 4 faces of the billet mould using densely multiplexed Fiber Bragg Grating (FBG) sensor.(CLP-0192)	01-11-2017	30-04-2019 extended to 31-03-2021	Tata Steel limited	Dr. Sarmistha Palit Sagar	17.7	35.4	0.75	0.6
2	CLP 0210	Effect of Deformation and Chemistry on X70 properties (CLP 0210)	27-02-2020	31-03-2021	TATA STEEL Limited	Dr. Krishnendu Mukherjee	20.06	14.16	1.2	0.9
3	CLP 0212	Thermal Mapping of Tuyere through FBG Sensor	02-01-2020	31-03-2021	Tata Steel Limited	Dr. Tarun Das	17.7	8.85	1.2	0.6
4	CLP 0218	Sensor and device for on-line Zn weight measurement of GI wires	19-03-2020	31-03-2021	Tata Steel Limited	Dr. Sarmistha Palit Sagar	27.258	13.629	2.1	0.924
5	GAP 0268	Development of cost-effective green technology for pre-reduction of chromite ore in tunnel Kiln & production of high carbon Ferro chrome in SAF	25-09-2017	24-09-2019 extended to 31-03-2021	Ministry of Steel, New Delhi	Dr. RK Minj	134.5	137.5	42	0



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6	GAP 0279	Preparation of Detailed Project Report(DPR) for technological intervention through Technology Facility Centre(TFC) at five numbers of Bell and Brass metal clusters of West Bengal	01-02-2019	31-07-2019 extended to 31-03-2021	Director of MSME	Dr. K L Sahoo	20.65	14.455	6	1
7	GAP 0280	Development of a process for refining of commercial magnesium Metal through Vacuum distillation	11-09-2019	10-03-2021	Aeronautcs Research	Dr. Manoj Kumar	17.63	11.03	3	0
8	MLP 3117	Industrial Hot Rolling Run Out Table and Continuous Annealing Line Simulations for developing Advanced High Strength Steels (AHSS)(MLP 3117)	01-04-2020	31-03-2021	CSIR	Dr. Ravi B	186		7	7
9	SSP 0997	Metallurgical and Fractographic Examination of the SS304LN and Its Weld Tested Under Cyclic and Monotonic Loading in Air/Water Environment	01-11-2015	31-10-2018 extended to 31-03-2021	Bhabha Atomic Research Center, Mumbai	Dr. M Ghosh	41.678	41.32	2.4	4



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10	SSP 1074	Optimisation of Al-based metallic foam production method and development of metal foam for BARC applications	13-06-2017	12-06-2019 extended to 31-03-2021	BARC	Dr. Vikas Srivastava	39.215	31.883	3	3.5
11	SSP 1082	n-line Oxide Scale Removal of Wires using Ultrasonic Assisted Electrochemical Technique (UAET)	10-08-2017	09-08-2019 extended to 31-03-2021	Tata Steel Ltd.	Dr. Sarmistha Palit Sagar	30.68	22.62	2.8	1.65
12	SSP 1112	Patent Search and analytics service to tata steel ltd	01-02-2018	31-01-2019 extended to 31-03-2021	TATA STEEL LIMITED	Dr. SK PAL	35.4	35.409	3.14928	1.0274
13	SSP 1122	AUSC-1 Generation of creep data of Ausc Rotor(Alloy 617 M forge) and casing (alloy 625 cast) materials	03-01-2018	31-03-2021	IGCAR, Kalpakkam	Dr. J. Swaminathan	354	283.31	15.84	8.78
14	SSP 1126	AUSC-5 Evaluation of fracture and fatigue crack growth (FCG) in 10Cr-Alloy 617 BMW weld joint.	31-03-2018	31-03-2021	IGCAR, Kalpakkam	Dr. S. Sivaprasad	531	471.41	17.84	6
15	SSP 1127	AUSC-6 Evaluation of fracture and fatigue crack growth (FCG) behaviour of SS304 Hcu base material	31-03-2018	31-03-2021	IGCAR, Kalpakkam	Dr. HN Bar	531	471.41	17.84	6



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16	SSP 1140	AUSC 7:Advanced Non-destructive Evalution techniques for Creep Damage Evalution of AUSC power power plant materials.	01-04-2018	31-03-2020 extended to 31-03-2021	IGCAR,Kalpakk am	Dr. Sarmistha Palit Sagar	281.159	275.61	12.34	2.45
17	SSP 1147	Twinning on Capacity Building to Transform Metal Industry Development Institute (MIDI)	01-04-2018	31-03-2021	Metal Industry Development Institute (MIDI)	Dr. S K Das/Dr. S tarafder	883.75	120.92	20	0
18	SSP 1172	Seam overall characteristics of coal sample of Charina & Ghogdarpalli block, Sohagpur District	01-04-2019	31-03-2021	CMPDIL, Ranchi	Dr. Sanchita Chakravarty	120	135.61	6.2	2.4678
19	SSP 1186	Characterization of Ores, Minerals, Fluxes, granulated BF slag, LD slag, Fe alloy Slag and Fly ash" in terms of chemical composites on, phase analysis, optical & thermal properties	01-04-2019	31-03-2020 extended to 31-03-2021	Tata Steel Limited	Dr. Sanchita Chakravarty	41.3	10.015	3	1.4
20	SSP 1193	Development of adherent Zn coating on Mg-Zn-Mn for enhancing implant life	01-04-2019	31-03-2020 extended to 31-03-2021	G Surgiwear Limited	Dr. S.K.Tiwari	17.936	23.836	1.2	0.58



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21	SSP 1217	Creep deformation behavior of Titan 26A alloy	01-04-2019	31-03-2021	M/s. Mishra Dhatu Nigam Limited, Hyderabad	Mr. Krishna Guguloth	14.5376	13.608	0.25	1
22	SSP 1219	Study on reducibility index of iron ore pellet	26-09-2019	25-09-2020 extended to 31-03-2021	SGS India Pvt Ltd	Mr. Ammasi A	10.1952	7.848	0.9	0.346
23	SSP 1222	Microstructural and mechanical property evaluation of Center Buffer Coupler components	02-12-2019	01-03-2021	Research Design and Standards Organization	Mr. C.Soupramin ean	15.045	15.045	1	0
24	SSP 1225	Development of thicker section (> 6 mm) abrasion resistance grade steel with relatively higher coiling temperature	11-12-2019	10-12-2020 extended to 10-03-2021	Tata Steel Limited	Mr. Gaurav Bansal	34.22	23.954	3.5	1.68
25	SSP 1232	Indigenous production of electronic iron power from mild steel	21-01-2020	20-10-2020 extended to 31-03-2021	Ms. Shree Rayalseema Hi Strength Hypo Ltd	Dr. KK Sahu	14.16	8.496	1.5	0.48375



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26	SSP 1242	Development of Methodology for Real-time Volumetric Inspection of Copper Rods	01-02-2020	31-03-2021	Aditya Birla Science and Technology Company Ltd.	Dr. Arpita Ghosh	9.086	4.158	0	0.315
27	SSP 1247	Residual Life Assessment Study of Gas Turbine generator (1250-2E class)	01-07-2019	31-03-2021	INDIAN NAVY-VSKP	Dr. GVS Murthy	27.4586	41.3	10.02	0

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