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Government of India
Ministry of Defence
Defence Research & Development Organization
CENTRE FOR FIRE, EXPLOSIVE & ENVIRONMENT
SAFETY (CFEES)
Brig. S K Mazumdar Road, Timarpur
Delhi - 110054, India

Dated: 20 December 2017

No. CFEES/TCP/CARS-DG(SAM)/FCPCG/MBFPS/PU-adhesive/DU

To
The Assistant Registrar (Fin-II)

Delhi University
Delhi - 110007

Fax No.: 27667206

(Kind Atten: Prof Ashok K Prasad, Dept. of Chemistry, University of Delhi) - RSP

Sub: Sanction of CARS "Synthesis of flame-retardant breathable moisture-cure Polyurethane (PU) based adhesive" to Dept. of Chemistry, University of Delhi under CFEES S&T project "Development of Multifunctional Moisture Barrier Fabric for Fire Protective Suits" (ST/16-17/CFE-1327) (Unit Code: 310979014)

Ref: Your letter No. Fin.III(i)/155/DRDO-New dated 16-08-2017

Sir,

The sanction vide O/o DG (SAM) letter No. DG(SAM)/CFEES/CARS/17-18/0002 dated 13-12-2017, Unique Sanction Code (USC): DG(SAM)/SAM/CFEES/PROC(P)/17-18/0002 and IFA (R&D), DRDO Hqr, New Delhi concurrence vide UO No. IFA/R&D/New Delhi/1505/1134 dated 14/11/2017 for Rs. 44,37,600/- (Rupees Forty Four Lakhs Thirty Seven Thousand Six Hundred only) has been accorded to Dept. of Chemistry, Delhi University for undertaking the subject CARS project with Prof. Ashok K Prasad (RSP), Dr. B K Singh (Co-RSP), Dept. of Chemistry, Delhi University, Delhi. This sanction is issued under the delegated Financial Power vide DRDO/DBFA/83226/M/01/2031/D(R&D) dated 30th July 2010 and amended vide letter No. DRDO/DBFA/FA/83226/M/01/21/S/D(R&D) dated 05th February 2015, in accordance with GFR-29, DRDO vide letter No. DBFA/FA/83301/M/01 dated 31/03/14 to place a CARS contract to University of Delhi, Delhi vide para (2) of above mentioned DG SAM letter dated 13-12-2017.

Kindly refer your letter under reference, please find enclosed herewith the agreement of contract duly signed by Director CFEES for subject CARS contract No. CFEES/FCPCE/P/CAR/004/17-18 dated 18-12-17 vide CFEES USC No. DR/SAM/CFEES/PROC/PRP/2017-18/0174 dated 18-12-17 for an amount of Rs. 44,37,600/- (Rupees Forty Four Lakhs Thirty Seven Thousand Six Hundred only) for a period of 24 months from the date of release of first installment to University of Delhi. The schedule of activities, milestones, release of amount, expenditure profile and deliverables, as per Annexure-II of above CARS contract, is given below:

Inst. Amt. (Rs. in Lakhs)	Duration of CARS	Scope of Work/Activities as stipulated under CARS Project by RSP
20,98,800/-	T ₀ + 0 month	Initial Advance
15,95,040/-	T ₀ + 12 months	At performance Milestone - I of RSQR (Delivery of 50 grams of synthesized targeted polymeric compounds from A - D)
6,00,000/-	T ₀ + 18 months	At performance Milestone - II of RSQR (Delivery of 50 grams of synthesized targeted polymeric compounds from E - H) At least one compound with desired property will be delivered in 250 grams scale.
1,43,760/-	T ₀ + 24 months	Any leftover experimental work plus preparation and submission of final report, audited accounts and release of final payment)
44,37,600/-	24 Months	

Contd2/-

The Review / Progress monitoring structure of the subject CARS project will be as follows:-

- (i) Review by Project Leader - Bi-monthly
- (ii) Review by PMRC - Once in three months

Kindly acknowledge.



(Rajiv Narang)
Director

- Encls: i) Copy of approved CARS Contract (Annexure 1 & 2)
ii) Format of Contingency Bill (to be submitted duly completed by RSP for Release of grants)
iii) Format of GFR-19, Equipment/assets retention certificate, Statement of Accounts & Utilization Certificate, ECS and Final Completion Report

Copy to:

- 1. The Chairperson (Research Council), University of Delhi, Delhi
- 2. Prof. Ashok K Prasad, Dept. of Chemistry, University of Delhi -(RSP) *(ink signed)*
- 3. Dr. B K Singh, Dept. of Chemistry, University of Delhi -(Co-RSP) *(ink signed)*
- 3. The O/o of DG (SAM), DRDO Bhawan, New Delhi - }
- 4. The Director, Dte of ER&IPR, DRDO Bhawan, New Delhi - } for information
- 5. DCDA (R&D), Metcalfe House, Delhi - }

Kindly acknowledge
the receipt

Internal:

- 1. AD – FCPC-HBG - for info. & to regularize technical progress & accounts of above CARS *(ink signed)*
- 2. Shri Mahipal Meena, Sc'D' (CARS Leader) - for info & necessary action to liaise with RSP for:
Periodic monitoring of the progress of CARS project & submission of duly audited accounts with bi-monthly progress report. *(ink signed)*
- 3. AD – TCP&HRG - for records
- 4. AD – MSG - for info & necessary action regarding budget, release & regularization of funds and to maintain accounts.
- 5. Head – MMG - One original ink signed copy of CARS project for necessary action regarding release of funds and maintain expenditure details & accounts. The expenditure will be debited from the project "Development of Multifunctional Moisture Barrier Fabric for Fire Protective Suits (MBFPS)" (ST/16-17/CFE-1327) (Unit Code -310979014), Major Head 2080, Minor Head - 110 (CARS). *(ink signed)*

Terms & Conditions of Grant

- 1. The CARS Project will last for duration as per approved Contract agreement from the date that the grantee institution receive the first release.
- 2. The grantee institution shall maintain a separate account for the project funds and the interest accrued should be reflected in statement of expenditure and shall be returned to DRDO on closure of the CARS project / or shall be adjusted by DRDO during release of last installment.
- 3. The grantee institution may publicise this grant only with the prior approval of DRDO.
- 4. By accepting this grant the grantee institution agrees to abide by the Conditions of Grant.
- 5. The monies of the grant will be spent exclusively for the purposes for which they are given.
- 6. Assets of a capital nature acquired under CARS project wholly or substantially out of this grant are the property of DRDO. Without the prior approval of DRDO these shall not be disposed off or encumbered.

7. The equipment procured by grantee institution under the CARS project should be made available for Scientists from DRDO labs without any usage charges as and when required. The retention certificate of assets/equipment procured under CARS to be submitting by grantee Institute.
8. The grantee institution will maintain a record in the format of GFR 19 of the assets of a capital nature acquired by grantee institution, it wholly or substantially out of these grants. A copy of the record, certified by the competent authority of the institution, shall be sent to concern DRDO Lab accordingly.
9. The grantee institution will demand monies as per the contract through duly completed Contingent Bill(s). Disbursal of monies shall be through ECS. Monies remaining with the grantee institution at the closure of the CARS project (including by short closure) shall be returned to DRDO through DD in favour of CDA (R&D) New Delhi.
10. When demanding monies, subsequent to the first installment, the grantee institutions shall send the duly updated statement of expenditure (Financial Year wise) and fresh Contingent Bill, certifying that the unspent balance of previous installments has either been carried forward into the subsequent demand, or has been surrendered to DRDO. Payment of installments will follow receipts by DRDO of the audited statement of accounts and utilization certificate, for the monies already given for the relevant duration.
11. The accounts maintained by the grantee institution shall be available for inspection by the Comptroller & Auditor General of India as and when required.
12. The ownership of intellectual property, whether or not legally protected, generated by contract research performed under this contract shall vest in DRDO. However, the RSP shall receive, upon demand by it, a royalty – free license from DRDO to use these intellectual properties for its own purposes, which purposes specifically exclude sale or licensing to third parties.