

Scope of Work Document

for

Budget Management Software

**September 2015**

**Indian Space Research Organization  
Department of Space  
Government of India**



## **SCOPE OF WORK**

### **A. Description of Work :**

Design, Development, Testing and Deployment of a Budget Management Software covering the following functional areas:

- i) Budget Planning, Formulation, Monitoring & Review, Documentation & Analysis
- ii) Imparting Training on the Software
- iii) Providing technical support for a period of one year

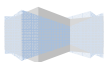
### **B. Overview of Budgeting process at Department of Space (DOS) :**

Department of Space (DOS) is funded by Central Government directly through Union Budget. The Budgetary support received by the Department is deployed among the various projects/programmes and Centres/Units of Indian Space Research Organization (ISRO) as well as five Autonomous Bodies under the DOS hitherto referred to as '**Cost Centres**'. There are about 20 Cost Centres under DOS/ISRO. Total number of users involved in the budgeting process is around 100. Total number of records (line items) processed for arriving at Budget proposals is around 10,000 to begin with.

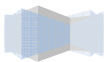
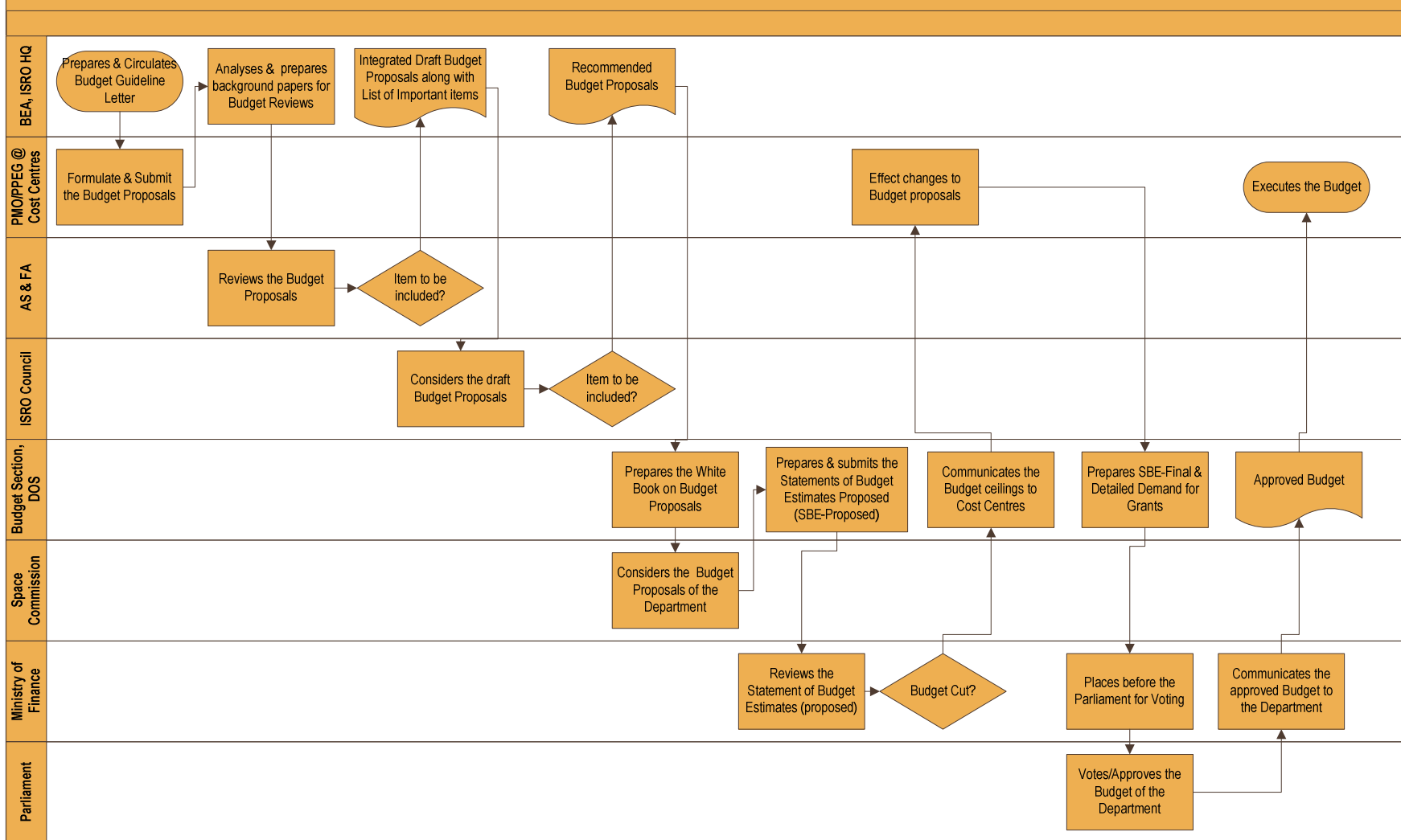
The budgeting process followed by ISRO/DOS starts with an initiation letter from Chairman, ISRO to different cost centres to formulate the budget proposals and submit to ISRO Headquarters for review within a specified time. ISRO Headquarters review the proposals and brings out an integrated budget document containing details of budget proposals at Organizational level. This integrated budget document is submitted to ISRO Council, which is the decision making body at ISRO level, for consideration. After the budget proposals are thoroughly reviewed by ISRO Council, the proposals are further revised and submitted to the Space Commission, which is the apex policy making body of DOS/ISRO.

Once Space Commission clears the budget proposals, they are submitted to the Ministry of Finance in the formats prescribed by them. At this stage, the budget proposals are classified into **Voted or Charged, Plan or Non-Plan, and Revenue or Capital** according to the nature of expenditure. The Ministry of Finance scrutinizes the proposals and presents to the Parliament for approval. Once Parliament approves the budget, it is communicated back to DOS/ISRO.

The cross functional chart for budgeting process followed at DOS/ISRO is given in Figure 1.



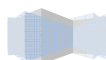
**Figure 1: Cross Functional Chart for Budgeting Process of DOS/ISRO**



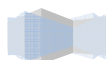
## C. Functional Requirements:

The proposed Budget Management Software (BMS) is intended to keep the manual intervention at various stages of budgeting to the minimum possible level and the same has to be developed with a view to gradually evolve to a paperless automation system. The broad features or functionalities of the software would include the following:

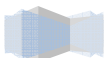
1. Access to software should be based on authentication using User ID and Password. Role based access should be used for the users. Different Roles will be – Super Admin, DOS, BEA, PRGOFC, PPEG/PMO, Accounts/Admin/Purchase Section of Cost Centres, PAO, Chairman/SS/Centre Directors etc. as is detailed under Annexure-1. Contact details of users namely E-mails/Tel. Nos/Mobile nos/Fax/Postal address etc. should be maintained. Provision for incorporating Mobile OTP should be kept for future use wherein SMS server will be set up by ISRO based on future requirement, if any.
2. **Provision to generate/upload Budget Circulars**
  - a) Provision should exist for DOS/BEA to generate programmatic allocations for various Cost Centres through the software at the beginning of the Financial Year.
  - b) The authorization should be given to BEA/Budget Section, DOS to generate/upload the Budget Circular. The Circular would be accompanied by Budget Guideline Figures for the ensuing year along with Formats for Cost Centres to submit Budget Proposals through the software.
  - c) The formats shall contain provision for Cost Centres to project their budget with breakup of various categories of expenditure called 'object heads' containing multiple items of expenditure.
  - d) Broadly the budget is categorized as Project Budget and Centre Budget.
  - e) Budget projected under different Object Heads are broadly classified into four sections namely Revenue - Plan, Revenue - Non-Plan, Capital - Plan & Capital - Non-Plan. Also, some object heads are classified as Voted or Charged under Revenue and Capital Sections separately.
  - f) Software generated e-mails should be send to the Focal points (PPEGs/PMOs/Centres) for submission of Budget proposals.
3. **Submission of Budget proposals by Cost Centres using on-line Forms.**
  - a) Focal Points (at Cost Centres) should be authorized to key in their budget proposals in the prescribed on-line forms. Cost Centres will access the software over a WAN link. Software functioning & performance with WAN delays to be planned during design & development. This applies to other sections of this document too.
  - b) There will be three sets of formats one set for Projects, one for Centres/Units and another for Autonomous Bodies.



- c) Interface for Cost Centres to enter Revised Estimates (RE) for the ongoing year and Budget Estimates (BE) for the next year, in line with the programmatic allocations issued by BEA.
  - d) Alternatively, there should be a provision for Cost Centres to prepare the budget proposals in prescribed formats off-line and import into the software.
  - e) Users should be allowed to save the progress of their work in a particular session which can be completed in multiple sessions.
  - f) All input fields should be validated by the software appropriately. This applies across all the entry fields of various forms and for import of offline prepared data.
  - g) Provision should be made available to save the generated proposals in the form of PDF/Text/Excel/CSV/XML files and reviews will be carried out off-line/manually. Changes suggested during offline reviews need to be entered/ corrected in the software, provision should exist for the same.
- 4. Deadline for Submission of Budget Proposals.**
- a) The software should allow the user to carry out the changes until the last date of submission. After the last date, the provision for on-line submission should be disabled.
  - b) At any point of time, the software should generate a report on status of submission of budget proposals.
  - c) Any requests for changes to budget proposals after the last date need to be authorized by ISRO HQ/Budget Section, DOS.
5. Provision for Analytical Tools such as growth of expenditure, year to year percentages, exception reports based on restrictions imposed by the Ministry of Finance etc. to be implemented in the software. Graphical representation of the budget data in the form of charts/diagrams etc. also to be provided. This will aid proper evaluation of budget proposals.
6. Interface for DOS/BEA to analyze/review the budget estimates given by Cost Centres and generate ISRO Council Document. The number of reviews can be multiple. The changes made by DOS/BEA should be able to be tracked at any stage. The document is reviewed by the ISRO Council.
7. Interface for DOS/BEA to input changes suggested by ISRO Council. The software should generate 'White Book'. This book will contain individual pages allotted to each Cost Centres detailing their Actuals for the previous year, Budget Estimates & Revised Estimates for the current year, Actuals for the current year (month specified by DOS), Budget Estimates for the next year, reasons for variations etc.
8. White Book will be approved by the Space Commission with or without modifications. Any modifications made will have to be captured.



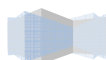
9. Snapshots (versions) at various stages need to be available to carry out analysis and comparison.
10. Statement of Budget Estimates (SBE-Proposed) to be generated using the data approved by the Space Commission during mid-October. This undergoes 2/3 levels of revision before SBE-Final is submitted to the Ministry of Finance in January/February. Annexure-8 provides a typical representation of SBE.
11. Based on the SBE (Final), Detailed Demands for Grants (DDG) for the next year would be prepared. DDG contains object head-wise breakup of approved Budget for each Cost Centre.
12. Provision to update budget data at 'Object Head' level at various stages i.e. RE approval Stage, Additional allocation stage by Cost Centres.
13. Functionality to integrate the data on expenditure (to be updated on a monthly basis) from the existing e-PAC (Electronic Pay and Accounts Office Consolidation) database (See Annexure 9 for details). Whenever fund allocation is exceeded, an alert should happen duly on monthly review of expenditure.
14. Following functionalities needs to be provided-
  - a) Provision for Centres to intimate Supplementary Demand for Grant (SDG) proposals to DOS and to process the same. Logic for SDG will be provided at the time of preparation of SRS Document.
  - b) Provision for Centres to process the Surrender of Funds during the financial year. The Centre should be able to specify the heads under which they are surrendering funds.
  - c) Functionality for Centres to generate Re-appropriation orders during the financial year and submit to DOS. The checks and balances and logic for re-appropriation of funds from one head of budget to another will be provided at the time of preparation of SRS Document.
  - d) Functionality for processing of Grant-in-Aid proposals to Autonomous Bodies and other external agencies involved in executing DOS/ISRO projects.
15. Provision for DOS/ISRO to enter broad level project time line (schedule), cost, annual allocation of funds, spending etc. This will help in getting an overview of the progress of projects/programmes in terms of original project Cost, schedule, annual allocation, spending, balance funds available etc. Suitable alert system to be implemented to check time and cost over-run.
16. There should be provision to import (re-use) previous year/ current year data to the next year at the end of the budget cycle so that starting from the second year, previous year data (on planned and unplanned spill-over items) would be automatically generated.



17. Provision to export data from the system into Excel/CSV/Text/pdf formats and import data to the system in Excel/CSV formats.
18. The report from the system should be designed for viewing/printable formats. The reports should be exportable to excel/word/pdf formats. Graphical representations in the reports should also be included.
19. Provision to create a repository of Past Budget Data. The software should enable to feed the data in the form of DDG for all the previous years into the database so that the same can be used for analysis and reference at later stages.
20. The software/Portal needs to be accessed through a WAN link.
21. The Budget Portal should be created for passing on general information, issuing notices, alerts, updates etc. to various centres who will be accessing the portal/software through a WAN link. It will be a one-stop solution for all kinds of transactions related to Budget Management. The budget portal needs to be evolved as a knowledge centre on Budget management with provision to share articles, analysis papers, queries etc.
22. The software should have a provision to manage user profiles with e-mails and mobile nos etc. The system should generate e-mail alerts to the users whenever an action needs to be prompted from the user. User repository needs to be integrated with the existing LDAP server. Additionally, provision for local user authentication should also be made available.

#### **D. Technical Requirements:**

1. The software should be web-based. The technology used should preferably be open source. The back end used for the software should be a RDBMS, preferably open source with support.
2. The vendor shall recommend the hardware specifications required for the software but the liability for procurement of the same shall vest with DOS/ISRO and hence, the cost of the same will not form a part of the software for any purpose.
3. The software should not have any vulnerability when it is installed. Certificate for Information Security clearance regarding vulnerabilities from Department of Electronics, Govt. of India empanelled auditor should be provided. Thereafter internal certificates should be provided by the vendor after every upgrade of the software.
4. Developer should prepare a SRS based on requirements which will be reviewed by DOS/ISRO. Post confirmation, SRS will be signed by both the parties and the software development can be started.
5. Timeline of the deliverables shall be provided on acceptance of order. The deliverables shall include:
  - a. SRS Document
  - b. Software Architecture Design & Deployment Architecture





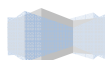
- c. Development of the software and provide the source code
  - d. Vendor has to conduct software testing and provide a Test Report
  - e. Vendor shall provide Training for two levels for DOS/ISRO personnel (around 50 people at each level) on the software. Training should cover the details of the s/w development environment, s/w tools used, deployment, configurability, usage and troubleshooting.
  - f. Documentation and User Manual for normal user and for the administrator
  - g. Software deployment and demonstration with real data (past data).
6. The software should support latest versions of all the major web browsers namely Internet Explorer, Google Chrome and Mozilla Firefox.
  7. The source code of the software needs to be handed over to ISRO on installation or on request to that effect.
  8. The source code should be properly commented for readability in future.
  9. Technical support for 1 year to fix the reported bugs, maintenance of the software and the database and to ensure that the software is in working state.
  10. Technical support and bug fixing during warranty period shall be the responsibility of Company/Firm/Developer which will be provided through on-site support.
  11. Separate quote in respect of the extended yearly technical support by deploying 1 resident personnel has to be provided. The vendor will be obliged to provide extended technical support at the above rate provided the option is exercised by DOS/ISRO.
- E. Reports for Data Input, Analysis and Review** (It should be flexible to choose denomination of amount ie, Rupees, thousands, lakhs or crores as desired by the user):

**I. CORRESPONDENCE FORMATS:**

Description	Purpose	Reference
Allocation of Funds	Intimating cost centres about the budget estimates approved by Parliament	Annexure 2
Budget Circular	For intimating the programmatic allocations for the year to cost centres for planning and estimation	Annexure 3

**II. DATA INPUTS:**

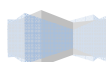
Description	Purpose	Reference
Quarterly Targets	Preparation of quarterly Targets at the beginning of the Financial Year	Annexure 4
Formats for submitting budget proposals by Cost Centres	For estimating Revised estimates for the ongoing year and for preparing budget estimates for the next year (Activity-Wise)	Annexure 5 & 6 Also for Autonomous Bodies
Budget Focal Points	For keying database of focal points for facilitating communications and continuous updation	Annexure 7



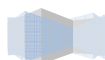
Updation of Monthly Expenditure	Expenditure under each head of account will be updated on a monthly basis by PAO using the interface between the system and e-PAC.	----
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### III. REPORTS:

SI No	Description	Purpose
1	List of new Budget Heads added during the year	To analyze the changes in the budget compared to previous year and to identify the new sections introduced
2	Expenditure during Vote-on-Account period	During Vote-on-Account period which generally spans 2 months (3 months during years of General election), Ceilings for outlay are prescribed by MoF. If such ceilings are (estimated) to be breached, specific approval from Dept. has to be obtained in advance.
3	Amount estimated under various Major Heads and the outlays therein	To ascertain the expenditure projected and expended under various sub-units would be facilitated by this report
4	Amount estimated under various Minor Heads and the outlays therein	
5	Amount estimated under various Sub-Heads and the outlays therein	
6	Amount estimated under various Object Heads and the outlays therein	
7	Monthly expenditure progress Reports	This report is intended to facilitate review and monitoring of expenditure during the year.
10	Estimates for New Services/Unapproved projects	Every budget would include certain items for which project approvals are pending. Though amount can be estimated against the same, no expenditure can be incurred until the approvals are received from the Dept. This report would keep authorities informed of the extent of such items included in the budgetary estimates.
11	Statement showing Charged Expenditure included in Budget Estimates	This report would reveal the extent of funds projected under each cost centre towards charged expenditure and the heads under which the same has been projected.
12	Estimated strength of establishment and provisions therefor	As Salary estimates are predominantly depended on the manpower strength of the Organization. This data is required to review the projections made towards salaries every year.
13	Statement showing Grant in Aid of above Rs.5 lakh (Recurring) & Rs.10 lakh (Non-recurring) sanctioned to private institution/individuals/organizations during the previous year	As details of Grant-in-Aid to private institutions are required to be provided to Ministry of Finance, the statement is necessary for reporting.
14	Estimates and actual for	Plan period spans Five Years. Current Plan is 12 <sup>th</sup> Five Year



SI No	Description	Purpose
	different plan period	Plan from 2012-2017. As budget consists of a segment called Plan Allocation, estimates and actual expenditure during such five years needs to be monitored and analyzed.
15	Estimates in respect of autonomous bodies	There are five autonomous bodies under the Department and they are slightly different from all the other Cost Centres of the Department. They are allotted Grant in aid for their functioning and the extent of funding received by them is to be covered by this report.
16	Estimates in respect of Salaries	Cost Centres estimate their salary based on various assumptions namely no. of employees, expected retirements, additions, changes in Dearness Allowance rates etc. This report should reveal such assumptions adopted by Cost Centre for their salary estimation.
17	Change Tables	Any change made towards estimate of expenditure at different levels of review has to be indicated by this table.
18	Statement of Civil Works	This report should show the name of individual civil works and the estimate and progress of expenditure towards the same.
19	Inputs for Final Allocation	The inputs furnished by the Cost centre at the end of 3 <sup>rd</sup> Quarter for getting the final allocation of funds has to be in this format detailing the object code-wise expenditure.
20	Contributions to International Bodies included in the Budget	The extent of money intended to be provided to International Bodies are disclosed in this report.
21	Re-appropriation order for each Cost Centre	At the end of every year, Cost Centres would be re-appropriating money from one Section of the budget to another. Such re-appropriations would be revealed by this report which needs to be approved by appropriate authority.
22	Re-appropriation order for the Department as a whole (Annexure)	This would be a consolidation of re-appropriation proposals of cost centres.
23	Sharing of Salary	The sources from which salary of each cost centre are expected to be met would be clear from this report.
24	Expenditure scheduled for the last quarter and last month	This report would indicate the plan of action for the last quarter and the last month of a financial year for ensuring better control.
25	Estimate of Expenditure on Indigenous & Import contracts:	The extent of money intended to be spend indigenously and on import needs to be analyzed. FE element in the Budget can be reported.
26	Growth of Expenditure over a period	The growth of budget estimates from period to period needs to be reviewed for various purposes.
27	Statement of amount that has lapsed	At the end of the year, if any cost centre is not able to spend the money allotted to them during final allocation, the same will be lapsed and cannot be spend during the next year. Cost centre wise details of lapsed funds have to be analyzed every year.
29	Statement of Budget Estimates	For furnishing data to Ministry of Finance as in Annexure 8



## **F. SCHEDULE:**

The Schedule for the Software is as follows:

- i) Two weeks for Pre-Development discussions during which the developer should prepare an SRS based on the requirements and post confirmation will proceed with the development.\*
- ii) Sixteen weeks for Development.
- iii) Seven weeks for Testing and Evaluation and installation
- iv) One week for training

{Overall 26 weeks from the issue of Work order}

Time shall be the essence of the contract and the Vendor shall be responsible for completing (ii), (iii) & (iv) within an overall time span of 24 weeks as mentioned above from the date of signing of the SRS Document. Any delay will result in invoking of LD clause as is detailed in the contract.

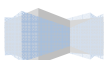
## **G. MODE OF TENDERING & PRE-QUALIFICATION CRITERIA**

The Work shall be awarded based on a Two-part Public Tender comprising of:

- a) Evaluation of Technical and operational parameters of the prospective Vendors based on compliance with the criteria mentioned under 'Items Specifications' Template.
- b) Price bids of the technically qualified bidders as is detailed in sub-para a above alone will be evaluated for the purpose of finalizing the tender evaluation.
- c) A pre-bid discussion will be arranged latest within 15 days of the last date for submission of bids so as to facilitate the understanding of software requirements by the bidders.

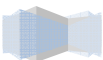
## **H. PAYMENT TERMS :**

- i) Payment of 80% of the value of work order (excluding on-site technical support) will be made within 30 days of successful installation and acceptance of the software subject to furnishing of a Performance Bank Guarantee (PBG) drawn on a scheduled commercial bank for a period of one year from the date of installation of the software for an amount equaling 10% of the value of work order.
- ii) Payment of 20% of the value of work order (excluding on-site technical support) will be made within 15 days of completion of the training requirements by the vendor.



- iii) The PBG will be released on the expiry of a period of one year of the installation of the software; which shall be an indemnity towards successful performance of the software.
- iv) Payments towards on-site technical support would be made at the end of every quarter subject to satisfactory completion of on-site support.
- v) Satisfactory completion of contractual obligations by the vendor in respect of (i) to (iv) above shall be duly certified by the BEA Wing, ISRO Hq which shall be a pre-requisite for effecting payments to the party.

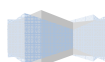
**(K. Hariharan)**  
**Under Secretary to the Government of India**  
**Budget Section, Department of Space**



**FUNCTIONALITIES/RIGHTS TO BE ASSIGNED TO DIFFERENT USERS**

<b>LOGIN</b>	<b>PERMISSIONS</b>
SUPER ADMIN	OVERALL CONTROL
BUDGET SECTION, DOS	VIEW, ENTER/UPLOAD AND EDIT
BEA SECTION, ISRO HQ	VIEW, ENTER/UPLOAD AND EDIT
PPEG/PMO/CEPO/PROGRAMME OFFICES OF COST CENTRES	VIEW, ENTER/UPLOAD AND EDIT
ACCOUNTS DIVISIONS OF COST CENTRES	VIEW
PURCHASE DIVISIONS OF COST CENTRES	VIEW
CHIEF CONTROLLER OF ACCOUNTS/PRINCIPAL ACCOUNTS OFFICE, DOS	VIEW
CHAIRMAN/DIRECTORS/SCI. SECY./PROJ. DIRECTORS	VIEW

*Access using Login Id/passwords is required to be enabled for all the above users.*

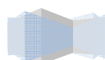


## DEPARTMENT OF SPACE

## ALLOCATION OF FUNDS (VOTED) FOR 2015-2016 FOR DOS/ISRO CENTRES/UNITS/PROJECTS/AUTONOMOUS BODIES

(₹ in lakhs)

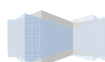
Sl. No.	Centre/Unit/ Project/Autonomous Bodies	ALLOCATION OF FUNDS (VOTED) FOR 2015-2016							TOTAL
		Revenue		Capital					
		Plan	Non-Plan	Motor Vehicles	Capital Equipment	Major Works	Other Capital Expenditure	Housing	
1	DOS Secretariat	0.00	2890.00	0.00	0.00	0.00	0.00	0.00	2890.00
2	MCF	1100.00	3996.00	0.00	3140.00	250.00	60.00	450.00	8996.00
3	INSAT-3 Satellites	300.00	0.00	0.00	155.00	0.00	1245.00	0.00	1700.00
4	INSAT-4/GSAT Satellites	500.00	0.00	0.00	22.00	0.00	2878.00	0.00	3400.00
5	Service Charges for Leasing of INSAT/GSAT Transponders	9300.00	0.00	0.00	0.00	0.00	0.00	0.00	9300.00
6	GSAT-15 Satellite	2400.00	0.00	0.00	1225.00	0.00	8375.00	0.00	12000.00
7	GSAT-15 Launch Services	300.00	0.00	0.00	0.00	0.00	4200.00	0.00	4500.00
8	GSAT-16 Satellite	400.00	0.00	0.00	1300.00	0.00	2800.00	0.00	4500.00
9	GSAT-16 Launch Services	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
10	GSAT-17 Satellite	1250.00	0.00	0.00	250.00	0.00	8000.00	0.00	9500.00
11	GSAT-17 Satellite L/S	500.00	0.00	0.00	0.00	0.00	23000.00	0.00	23500.00
12	GSAT-18 Satellite	1700.00	0.00	0.00	200.00	0.00	7600.00	0.00	9500.00
13	GSAT-18 Satellite L/S	500.00	0.00	0.00	0.00	0.00	40700.00	0.00	41200.00
14	GSAT-19 Satellite	400.00	0.00	0.00	200.00	0.00	1900.00	0.00	2500.00
15	GSAT follow-on Satellites including Launch Services	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00
16	Augmentation of capacity through leasing of transponders from foreign Satellites	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	1000.00
	of Satellites								
	TOTAL : GROSS	253529.00	138740.00	1023.00	117129.00	41006.00	180521.00	6771.00	738719.00
	Deduct Recoveries:								
	Aid Equipment to NRSA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Civil Works - Suspense Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL: Deduct Recoveries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL : NET	253529.00	138740.00	1023.00	117129.00	41006.00	180521.00	6771.00	738719.00



Department of Space  
PROGRAMMATIC ALLOCATIONS 2014-15

(` in lakhs)

SL NO.	PROGRAMME/ACTIVITY	BUDGET ESTIMATES 2014-15
1.	<b><u>MAJOR PROJECTS/PROGRAMMES</u></b>	
1.1	<b>COMMUNICATION / NAVIGATION SATELLITES</b>	
	* INSAT-3DR Spacecraft	1000.00
	* INSAT-3D Launch Services	115.00
	<b>Subtotal INSAT-3 Series</b>	<b>1115.00</b>
	<b>INSAT-4 / GSAT Spacecraft:</b>	
	* INSAT-4E/GSAT-6 Spacecraft	260.00
	* GSAT-6A Spacecraft	2500.00
	* GSAT-9 Spacecraft	900.00
	* GSAT -14 Spacecraft	130.00
	<b>Subtotal (INSAT-4 / GSAT Spacecraft)</b>	<b>3790.00</b>
	<b>GRAND TOTAL</b>	<b>723804.00</b>





## (₹ in Lakhs)

(₹ in Lakhs)

[illegible]

**Revised Estimates CY & Budget Estimates FY**

**Cost Centre/Programme Budget Summary**

(₹ in Lakhs)

Sl. No.	Project/Activity	Original Sanctioned Cost	Revised Cost Estimates, if any	Cum. Exp. up to end of PY	Budget Estimates CY	Exp. up to end of July CY	Revised Estimates CY		Budget Estimates FY		Page Ref for Details
							FE	Total	FE	Total	
1	2	3	4	5	6	7	8	9	10	11	12
Grand Total											

(CY: Current Year, FY: Forcast Year, PY: Previous Year)

**Annexure - 6**

**Revised Estimates CY & Budget Estimates FY  
Object Head wise Budget details**

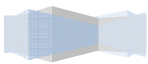
**Name of Project/Cost Centre:**

**(₹ in Lakhs)**

Object Head Code	Head of Accounts	Actuals PY	Budget Estimates CY	Exp. up to end July CY	Revised Estimates CY	Budget Estimates FY
1	2	3	4	5	6	7
<b>A.</b>	<b>Revenue</b>					
1	Salaries					
2	Wages					
3	Overtime Allowance					
6	Medical Treatment Expenses					
11	Domestic Travel Exp					
12	Foreign Travel Exp					
13	Office Expenses					
14	Rent, Rates and Taxes					
16	Publications					
20	Other Administrative Expenses					

21	Supplies and Materials					
24	Petrol, Oil & Lubricants					
26	Advertising & Publcitiy					
27	Minor Works, Maintenance					
28	Professional Services					
30	Other Contractual Services					
	<b>Total - A</b>					
	<b>B. Capital Expenditure :</b>					
51	Motor Vehicles (Functional)					
52	Machinery & Equipment					
53	Major Works - General Civil Works					
53	Major Works - Housing					
60	Other Capital Expenditure					
52	Information Technology - Machinery & Equipment					
	<b>Total - B</b>					
	<b>Grand Total (A+B)</b>					

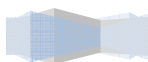
(CY: Current Year, FY: Forcast Year, PY: Previous Year)



## ANNEXURE-7

**BUDGET FOCAL POINTS**

NAME	DESIGNATION	NAME OF COST CENTRE/DIVISION/OFFICE	TEL NO.	E-MAIL ID	FAX NO.	MOB NO.
		PPEG				
		PMO				
		Programme Office				
		Accounts				
		PAO				
		Administration				
		DOS/BEA				
		CCA/PAO				
		Autonomous Body				
		MoF/NITI AAYOG				



**STATEMENT OF BUDGET ESTIMATES (PROPOSED)****MINISTRY/DEPARTMENT: DEPARTMENT OF SPACE****DEMAND NO. 90****A. The Budget allocations, net of recoveries, are given below:**

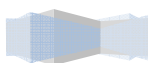
(in crores of Rupees)										
Description	Major Head	2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
	Revenue	2322.76	778.00	3100.76	1917.48	880.00	2797.48	2751.47	926.00	3677.47
	Capital	2677.24	0.00	2677.24	2082.52	0.00	2082.52	2948.53	0.00	2948.53
	<b>Total</b>	<b>5000.00</b>	<b>778.00</b>	<b>5778.00</b>	<b>4000.00</b>	<b>880.00</b>	<b>4880.00</b>	<b>5700.00</b>	<b>926.00</b>	<b>6626.00</b>
1. Secretariat - Economic Services	Revenue 3451	0.00	8.00	8.00	0.00	8.66	8.66	0.00	9.20	9.20
<b>SPACE RESEARCH</b>										
<b>Space Technology</b>										
<b>Launch Vehicle Technology</b>										
2. GSLV Mk-III Development	Revenue 3402	101.96	0.00	101.96	88.34	0.00	88.34	87.14	0.00	87.14
	Capital 5402	51.00	0.00	51.00	42.44	0.00	42.44	38.50	0.00	38.50
	<b>Total</b>	<b>152.96</b>	<b>0.00</b>	<b>152.96</b>	<b>130.78</b>	<b>0.00</b>	<b>130.78</b>	<b>125.64</b>	<b>0.00</b>	<b>125.64</b>
3. Cryogenic Upper Stage (CUS) Project	Revenue 3402	0.10	0.00	0.10	0.10	0.00	0.10	0.10	0.00	0.10
	Capital 5402	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.10</b>	<b>0.00</b>	<b>0.10</b>	<b>0.10</b>	<b>0.00</b>	<b>0.10</b>	<b>0.10</b>	<b>0.00</b>	<b>0.10</b>
4. Polar Satellite Launch Vehicle - Continuation (PSLV-O) Project	Revenue 3402	239.00	0.00	239.00	224.00	0.00	224.00	244.50	0.00	244.50
	Capital 5402	11.00	0.00	11.00	6.00	0.00	6.00	5.50	0.00	5.50
	<b>Total</b>	<b>250.00</b>	<b>0.00</b>	<b>250.00</b>	<b>230.00</b>	<b>0.00</b>	<b>230.00</b>	<b>250.00</b>	<b>0.00</b>	<b>250.00</b>
5. Vikram Sarabhai Space Centre (VSSC)	Revenue 3402	226.43	200.54	426.97	218.64	227.87	446.51	231.07	223.00	454.07
	Capital 5402	156.69	0.00	156.69	156.54	0.00	156.54	231.96	0.00	231.96
	<b>Total</b>	<b>383.12</b>	<b>200.54</b>	<b>583.66</b>	<b>375.18</b>	<b>227.87</b>	<b>603.05</b>	<b>463.03</b>	<b>223.00</b>	<b>686.03</b>
6. ISRO Inertial Systems Unit (IISU)	Revenue 3402	15.18	0.00	15.18	12.88	0.00	12.88	19.33	0.00	19.33
	Capital 5402	13.60	0.00	13.60	16.75	0.00	16.75	20.41	0.00	20.41
	<b>Total</b>	<b>28.78</b>	<b>0.00</b>	<b>28.78</b>	<b>29.63</b>	<b>0.00</b>	<b>29.63</b>	<b>39.74</b>	<b>0.00</b>	<b>39.74</b>

Description	Major Head	(in crores of Rupees)								
		2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
7. Liquid Propulsion Systems Centre (LPSC)	Revenue 3402	162.19	58.92	221.11	157.00	68.30	225.30	150.58	83.00	233.58
	Capital 5402	82.43	0.00	82.43	46.02	0.00	46.02	80.75	0.00	80.75
	Total	244.62	58.92	303.54	203.02	68.30	271.32	231.33	83.00	314.33
8. GSLV - Operational (including Mk-III Operational)	Revenue 3402	236.52	0.00	236.52	196.19	0.00	196.19	279.46	0.00	279.46
	Capital 5402	13.48	0.00	13.48	12.91	0.00	12.91	13.00	0.00	13.00
	Total	250.00	0.00	250.00	209.10	0.00	209.10	292.46	0.00	292.46
9. Space Capsule Recovery Experiment (SRE)	Revenue 3402	4.93	0.00	4.93	4.79	0.00	4.79	4.40	0.00	4.40
	Capital 5402	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	4.93	0.00	4.93	4.79	0.00	4.79	4.40	0.00	4.40
10. Manned Mission Initiatives/Human Space Flight Programme	Revenue 3402	100.00	0.00	100.00	9.39	0.00	9.39	65.64	0.00	65.64
	Capital 5402	50.00	0.00	50.00	5.32	0.00	5.32	33.17	0.00	33.17
	Total	150.00	0.00	150.00	14.71	0.00	14.71	98.81	0.00	98.81
11. Indian Institute of Space Science & Technology (IIST)	Revenue 3402	140.00	0.00	140.00	10.00	0.00	10.00	100.00	0.00	100.00
	Capital 5402	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	140.00	0.00	140.00	10.00	0.00	10.00	100.00	0.00	100.00
12. Semi Cryogenic Engine Development	Revenue 3402	41.82	0.00	41.82	30.37	0.00	30.37	89.41	0.00	89.41
	Capital 5402	208.18	0.00	208.18	9.63	0.00	9.63	60.59	0.00	60.59
	Total	250.00	0.00	250.00	40.00	0.00	40.00	150.00	0.00	150.00
<b>Sub-Total - Launch Vehicle Technology</b>		<b>1854.51</b>	<b>259.46</b>	<b>2113.97</b>	<b>1247.31</b>	<b>296.17</b>	<b>1543.48</b>	<b>1755.51</b>	<b>306.00</b>	<b>2061.51</b>
<b>Satellite Technology</b>										
13. Oceansat - 2&3	Revenue 3402	0.50	0.00	0.50	0.50	0.00	0.50	2.75	0.00	2.75
	Capital 5402	1.10	0.00	1.10	9.50	0.00	9.50	47.25	0.00	47.25
	Total	1.60	0.00	1.60	10.00	0.00	10.00	50.00	0.00	50.00
14. Resourcesat - 2&3	Revenue 3402	2.73	0.00	2.73	2.62	0.00	2.62	3.45	0.00	3.45
	Capital 5402	19.27	0.00	19.27	19.38	0.00	19.38	29.21	0.00	29.21
	Total	22.00	0.00	22.00	22.00	0.00	22.00	32.66	0.00	32.66
15. ISRO Satellite Centre (ISAC)	Revenue 3402	157.60	93.07	250.67	90.06	103.50	193.56	85.57	87.69	173.26
	Capital 5402	169.52	0.00	169.52	154.54	0.00	154.54	147.43	0.00	147.43
	Total	327.12	93.07	420.19	244.60	103.50	348.10	233.00	87.69	320.69
16. Laboratory for Electro-Optics Systems (LEOS)	Revenue 3402	25.13	0.00	25.13	24.61	0.00	24.61	24.57	0.00	24.57
	Capital 5402	15.01	0.00	15.01	12.10	0.00	12.10	18.28	0.00	18.28
	Total	40.14	0.00	40.14	36.71	0.00	36.71	42.85	0.00	42.85

Description	Major Head	(in crores of Rupees)								
		2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
17. Radar Imaging Satellite-1 (RISAT-1)	Revenue 3402	0.96	0.00	0.96	0.81	0.00	0.81	0.16	0.00	0.16
	Capital 5402	2.54	0.00	2.54	1.19	0.00	1.19	0.79	0.00	0.79
	<b>Total</b>	<b>3.50</b>	<b>0.00</b>	<b>3.50</b>	<b>2.00</b>	<b>0.00</b>	<b>2.00</b>	<b>0.95</b>	<b>0.00</b>	<b>0.95</b>
18. GSAT4/GSAT-4R/GSAT-11 EM	Revenue 3402	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
	Capital 5402	0.00	0.00	0.00	0.00	0.00	0.00	49.00	0.00	49.00
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>50.00</b>	<b>0.00</b>	<b>50.00</b>
18. Navigational Satellite System	Revenue 3402	34.39	0.00	34.39	23.40	0.00	23.40	32.07	0.00	32.07
	Capital 5402	227.71	0.00	227.71	144.00	0.00	144.00	186.23	0.00	186.23
	<b>Total</b>	<b>262.10</b>	<b>0.00</b>	<b>262.10</b>	<b>167.40</b>	<b>0.00</b>	<b>167.40</b>	<b>218.30</b>	<b>0.00</b>	<b>218.30</b>
19. Semi-conductor Laboratory (SCL)	Revenue 3402	24.89	28.96	53.85	26.42	31.58	58.00	45.72	34.28	80.00
	Capital 5402	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>24.89</b>	<b>28.96</b>	<b>53.85</b>	<b>26.42</b>	<b>31.58</b>	<b>58.00</b>	<b>45.72</b>	<b>34.28</b>	<b>80.00</b>
20. Advanced Communication Satellite (GSAT-11- including launch services)	Revenue 3402	8.00	0.00	8.00	6.21	0.00	6.21	7.55	0.00	7.55
	Capital 5402	117.00	0.00	117.00	28.79	0.00	28.79	402.45	0.00	402.45
	<b>Total</b>	<b>125.00</b>	<b>0.00</b>	<b>125.00</b>	<b>35.00</b>	<b>0.00</b>	<b>35.00</b>	<b>410.00</b>	<b>0.00</b>	<b>410.00</b>
21. Earth Observation - New Missions (TES Hyperspectral, DMSAR-1, Cartosat-3, ENVISAT, SCATSAT, RISAT-3, Future EO Missions & GISAT)	Revenue 3402	1.50	0.00	1.50	0.00	0.00	0.00	18.75	0.00	18.75
	Capital 5402	34.00	0.00	34.00	0.00	0.00	0.00	181.25	0.00	181.25
	<b>Total</b>	<b>35.50</b>	<b>0.00</b>	<b>35.50</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>200.00</b>	<b>0.00</b>	<b>200.00</b>
22. SARAL	Revenue 3402	1.03	0.00	1.03	1.06	0.00	1.06	1.63	0.00	1.63
	Capital 5402	38.97	0.00	38.97	11.94	0.00	11.94	20.87	0.00	20.87
	<b>Total</b>	<b>40.00</b>	<b>0.00</b>	<b>40.00</b>	<b>13.00</b>	<b>0.00</b>	<b>13.00</b>	<b>22.50</b>	<b>0.00</b>	<b>22.50</b>
<b>Sub-Total - Satellite Technology</b>		<b>881.85</b>	<b>122.03</b>	<b>1003.88</b>	<b>557.13</b>	<b>135.08</b>	<b>692.21</b>	<b>1305.98</b>	<b>121.97</b>	<b>1427.95</b>
<b>Launch Support, Tracking Network &amp; Range Facilities</b>										
23. Satish Dhawan Space Centre-SHAR (SDSC-SHAR)	Revenue 3402	121.05	70.50	191.55	125.00	102.90	227.90	148.50	97.52	246.02
	Capital 5402	195.35	0.00	195.35	136.51	0.00	136.51	188.75	0.00	188.75
	<b>Total</b>	<b>316.40</b>	<b>70.50</b>	<b>386.90</b>	<b>261.51</b>	<b>102.90</b>	<b>364.41</b>	<b>337.25</b>	<b>97.52</b>	<b>434.77</b>
24. ISRO Telemetry, Tracking and Command Network (ISTRAC)	Revenue 3402	27.38	37.22	64.60	27.60	42.91	70.51	28.00	47.79	75.79
	Capital 5402	23.41	0.00	23.41	26.15	0.00	26.15	17.57	0.00	17.57
	<b>Total</b>	<b>50.79</b>	<b>37.22</b>	<b>88.01</b>	<b>53.75</b>	<b>42.91</b>	<b>96.66</b>	<b>45.57</b>	<b>47.79</b>	<b>93.36</b>
<b>Sub-Total - Launch Support, Tracking Network &amp; Range Facilities</b>		<b>367.19</b>	<b>107.72</b>	<b>474.91</b>	<b>315.26</b>	<b>145.81</b>	<b>461.07</b>	<b>382.82</b>	<b>145.31</b>	<b>528.13</b>
<b>Total - Space Technology</b>		<b>3103.55</b>	<b>489.21</b>	<b>3592.76</b>	<b>2119.70</b>	<b>577.06</b>	<b>2696.76</b>	<b>3444.31</b>	<b>573.28</b>	<b>4017.59</b>



								(in crores of Rupees)			
Description	Major Head	2010-2011 Budget			2010-2011 Revised			2011-2012 Budget			
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
<b>Space Applications</b>											
25. Space Applications Centre (SAC)	Revenue	3402	100.43	100.44	200.87	100.51	117.06	217.57	101.07	128.76	229.83
	Capital	5402	96.54	0.00	96.54	83.29	0.00	83.29	190.92	0.00	190.92
	Total		196.97	100.44	297.41	183.80	117.06	300.86	291.99	128.76	420.75
26. Development & Educational Communication Unit (DECU)	Revenue	3402	73.74	7.85	81.59	21.04	8.60	29.64	72.54	10.80	83.34
	Capital	5402	1.43	0.00	1.43	1.72	0.00	1.72	1.02	0.00	1.02
	Total		75.17	7.85	83.02	22.76	8.60	31.36	73.56	10.80	84.36
27. National Natural Resources Management System (NNRMS)	Revenue	3402	87.62	0.00	87.62	42.06	0.00	42.06	74.82	0.00	74.82
28. Earth Observation Application Mission (EOAM)	Revenue	3402	2.31	0.00	2.31	2.33	0.00	2.33	2.53	0.00	2.53
29. National Remote Sensing Centre (NRSC)	Revenue	3402	63.16	62.05	125.21	62.52	67.71	130.23	62.92	78.25	141.17
	Capital	5402	104.94	0.00	104.94	91.97	0.00	91.97	82.63	0.00	82.63
	Total		168.10	62.05	230.15	154.49	67.71	222.20	145.55	78.25	223.80
30. Disaster Management Support (DMS)	Revenue	3402	31.07	0.00	31.07	19.68	0.00	19.68	28.40	0.00	28.40
	Capital	5402	7.55	0.00	7.55	10.29	0.00	10.29	6.17	0.00	6.17
	Total		38.62	0.00	38.62	29.97	0.00	29.97	34.57	0.00	34.57
31. North Eastern-Space Applications Centre(NE-SAC)	Revenue	3402	6.25	1.75	8.00	0.00	1.75	1.75	6.07	1.93	8.00
<b>Total - Space Applications</b>			<b>575.04</b>	<b>172.09</b>	<b>747.13</b>	<b>435.41</b>	<b>195.12</b>	<b>630.53</b>	<b>629.09</b>	<b>219.74</b>	<b>848.83</b>



Description	Major Head	2010-2011 Budget			2010-2011 Revised			(in crores of Rupees)			
		2010-2011 Budget			2010-2011 Revised			2011-2012 Budget			
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Space Sciences											
342 Physical Research Laboratory (PRL)	Revenue	3402	45.70	26.00	71.70	33.97	13.16	47.13	48.31	32.39	80.70
33. National Atmospheric Research Laboratory (NARL)	Revenue	3402	12.00	2.45	14.45	8.43	0.67	9.10	16.44	2.90	19.34
34. National Institute of Climate Change & Environment Studies (NICES)	Revenue	3402	1.00	0.00	1.00	0.10	0.00	0.10	0.10	0.00	0.10
35. RESPOND	Revenue	3402	15.00	0.00	15.00	14.00	0.00	14.00	15.00	0.00	15.00
36. Sensor Payload Development/ Planetary Science Programme	Revenue	3402	16.00	0.00	16.00	8.25	0.00	8.25	30.00	0.00	30.00
37. Megha-Tropiques Project	Revenue	3402	2.37	0.00	2.37	2.20	0.00	2.20	1.13	0.00	1.13
	Capital	5402	7.63	0.00	7.63	7.80	0.00	7.80	0.87	0.00	0.87
	Total		10.00	0.00	10.00	10.00	0.00	10.00	2.00	0.00	2.00
38. ADITYA	Revenue	3402	3.70	0.00	3.70	0.34	0.00	0.34	1.22	0.00	1.22
	Capital	5402	36.30	0.00	36.30	5.41	0.00	5.41	38.78	0.00	38.78
	Total		40.00	0.00	40.00	5.75	0.00	5.75	40.00	0.00	40.00
39. Astrosat 1 & 2	Revenue	3402	1.59	0.00	1.59	1.11	0.00	1.11	0.83	0.00	0.83
	Capital	5402	8.41	0.00	8.41	8.89	0.00	8.89	9.17	0.00	9.17
	Total		10.00	0.00	10.00	10.00	0.00	10.00	10.00	0.00	10.00
40. Indian Lunar Mission - Chandrayaan-1 & 2	Revenue	3402	4.63	0.00	4.63	3.78	0.00	3.78	7.70	0.00	7.70
	Capital	5402	95.37	0.00	95.37	21.22	0.00	21.22	72.30	0.00	72.30
	Total		100.00	0.00	100.00	25.00	0.00	25.00	80.00	0.00	80.00
41. ISRO Geosphere Biosphere Programme (ISRO GBP)	Revenue	3402	28.96	0.00	28.96	22.46	0.00	22.46	24.74	0.00	24.74
42. Atmospheric Science Programme	Revenue	3402	28.45	0.00	28.45	20.13	0.00	20.13	25.20	0.00	25.20
43. Small Satellites for Atmospheric Studies and Astronomy	Revenue	3402	8.00	0.00	8.00	2.00	0.00	2.00	4.00	0.00	4.00
	Capital	5402	2.00	0.00	2.00	0.50	0.00	0.50	1.00	0.00	1.00
	Total		10.00	0.00	10.00	2.50	0.00	2.50	5.00	0.00	5.00
44. Other Schemes	Revenue	3402	13.70	2.00	15.70	16.64	2.00	18.64	17.04	2.00	19.04
Total - Space Sciences			330.81	30.45	361.26	177.23	15.83	193.06	313.83	37.29	351.12

(in crores of Rupees)											
Description	Major Head	2010-2011 Budget			2010-2011 Revised			2011-2012 Budget			
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
<b>Direction &amp; Administration/ Other Programmes</b>											
45. Special Indigenisation/Advance Ordering	Revenue	3402	31.79	0.00	31.79	46.62	0.00	46.62	218.76	0.00	218.76
	Capital	5402	200.00	0.00	200.00	465.00	0.00	465.00	20.00	0.00	20.00
	Total		231.79	0.00	231.79	511.62	0.00		238.76	0.00	238.76
46. Others	Revenue	3402	3.40	52.39	55.79	2.65	56.93	59.58	2.95	58.86	61.81
	Capital	5402	74.34	0.00	74.34	11.70	0.00	11.70	12.76	0.00	12.76
	Total		77.74	52.39	130.13	14.35	56.93	71.28	15.71	58.86	74.57
<b>Total - Direction &amp; Administration/ Other Programmes</b>			<b>309.53</b>	<b>52.39</b>	<b>361.92</b>	<b>525.97</b>	<b>56.93</b>	<b>71.28</b>	<b>254.47</b>	<b>58.86</b>	<b>313.33</b>
<b>INSAT Operational</b>											
47. Master Control Facility (MCF)	Revenue	3252	7.76	25.86	33.62	8.01	26.40	34.41	8.00	27.63	35.63
	Capital	5252	21.41	0.00	21.41	16.13	0.00	16.13	9.80	0.00	9.80
	Total		29.17	25.86	55.03	24.14	26.40	50.54	17.80	27.63	45.43
48. INSAT-3 Satellites (including Launch Services)	Revenue	3252	0.80	0.00	0.80	0.26	0.00	0.26	82.81	0.00	82.81
	Capital	5252	76.80	0.00	76.80	23.84	0.00	23.84	44.59	0.00	44.59
	Total		77.60	0.00	77.60	24.10	0.00	24.10	127.40	0.00	127.40
49. INSAT-4 Satellites (including Launch Services and leasing of transponders)	Revenue	3252	60.04	0.00	60.04	198.40	0.00	198.40	227.54	0.00	227.54
	Capital	5252	514.26	0.00	514.26	495.05	0.00	495.05	685.56	0.00	685.56
	Total		574.30	0.00	574.30	693.45	0.00	693.45	913.10	0.00	913.10
<b>Total - INSAT Operational</b>			<b>681.07</b>	<b>25.86</b>	<b>706.93</b>	<b>741.69</b>	<b>26.40</b>	<b>768.09</b>	<b>1058.30</b>	<b>27.63</b>	<b>1085.93</b>
50. Aid Materials & Equipment - Gross	Revenue	3606	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Deduct - Transfers to functional Major Head	Revenue	3606	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net - Aid Materials & Equipment	Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Grand Total</b>			<b>5000.00</b>	<b>778.00</b>	<b>5778.00</b>	<b>4000.00</b>	<b>880.00</b>	<b>4368.38</b>	<b>5700.00</b>	<b>926.00</b>	<b>6626.00</b>

(in crores of Rupees)										
Description	Major Head	2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
<b>B. Investment in Public Enterprises:</b>		2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
	Head of Dev.	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
1. Antrix Corporation Limited		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>C. Plan Outlay:</b>		2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
1. Space Research	3402	5000.00	0.00	5000.00	4000.00	0.00	4000.00	5700.00	0.00	5700.00
<b>D. Major Head-wise Totals</b>	<b>Total</b>	<b>5000.00</b>	<b>778.00</b>	<b>5778.00</b>	<b>4000.00</b>	<b>880.00</b>	<b>4880.00</b>	<b>5700.00</b>	<b>926.00</b>	<b>6626.00</b>
	Major Head	2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Revenue	3252	68.60	25.86	94.46	206.67	26.40	233.07	318.35	27.63	345.98
Revenue	3402	2254.16	744.14	2998.30	1710.81	844.94	2555.75	2433.12	889.17	3322.29
Revenue	3451	0.00	8.00	8.00	0.00	8.66	8.66	0.00	9.20	9.20
Capital	5252	612.47	0.00	612.47	535.02	0.00	535.02	739.95	0.00	739.95
Capital	5402	2064.77	0.00	2064.77	1547.50	0.00	1547.50	2208.58	0.00	2208.58
Revenue	3606	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Recovery/Charged/Gross</b>		2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Recovery		0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04
Charged		0.40	0.50	0.90	0.40	0.50	0.90	0.40	0.50	0.90
Gross Expenditure		5000.04	778.00	5778.04	4000.04	880.00	4368.42	5700.04	926.00	6626.04
<b>E1. Budget Support to Public Enterprises</b>	Head of Dev.	2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Equity	Loan	Total	Equity	Loan	Total	Equity	Loan	Total
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>F. RECOVERIES</b>	Major Head	2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Revenue	3252	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Revenue	3402	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Revenue	3451	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital	5252	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital	5402	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04
Revenue	3606	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>0.04</b>	<b>0.00</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>

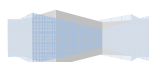
(in crores of Rupees)										
Description	Major Head	2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
<b>G. CHARGED EXPENDITURE</b>	<b>Major Head</b>	<b>2010-2011 Budget</b>			<b>2010-2011 Revised</b>			<b>2011-2012 Budget</b>		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Revenue	3252	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01
Revenue	3402	0.00	0.49	0.49	0.00	0.49	0.49	0.00	0.49	0.49
Revenue	3451	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital	5252	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital	5402	0.40	0.00	0.40	0.40	0.00	0.40	0.40	0.00	0.40
Revenue	3606	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>0.40</b>	<b>0.50</b>	<b>0.90</b>	<b>0.40</b>	<b>0.50</b>	<b>0.90</b>	<b>0.40</b>	<b>0.50</b>	<b>0.90</b>
<b>H. RECEIPTS NETTED</b>	<b>Major Head</b>	<b>2010-2011 Budget</b>			<b>2010-2011 Revised</b>			<b>2011-2012 Budget</b>		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Revenue	3252	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Revenue	3402	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Revenue	3451	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital	5252	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital	5402	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Revenue	3606	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>I. GROSS FIGURES</b>	<b>Major Head</b>	<b>2010-2011 Budget</b>			<b>2010-2011 Revised</b>			<b>2011-2012 Budget</b>		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Revenue	3252	68.60	25.86	94.46	206.67	26.40	233.07	318.35	27.63	345.98
Revenue	3402	2254.16	744.14	2998.30	1710.81	844.94	2555.75	2433.12	889.17	3322.29
Revenue	3451	0.00	8.00	8.00	0.00	8.66	8.66	0.00	9.20	9.20
Capital	5252	612.47	0.00	612.47	535.02	0.00	535.02	739.95	0.00	739.95
Capital	5402	2064.81	0.00	2064.81	1547.54	0.00	1547.54	2208.62	0.00	2208.62
Revenue	3606	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>5000.04</b>	<b>778.00</b>	<b>5778.04</b>	<b>4000.04</b>	<b>880.00</b>	<b>4880.04</b>	<b>5700.04</b>	<b>926.00</b>	<b>6626.04</b>



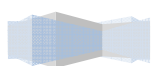
(in crores of Rupees)										
Description	Major Head	2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
DEMAND NO. 90										
DEPARTMENT OF SPACE										
I. Estimates of the amount required in the year ending 31st March, 2012, to defray charges in respect of DEPARTMENT OF SPACE:										
		Revenue	Capital	Total	(in crores of Rupees)					
	Charged	0.50	0.40	0.90						
	Voted	3676.97	2948.17	6625.14						
II. The Heads under which this Grant will be accounted for on behalf of the DEPARTMENT OF SPACE:										
	Major Head	2010-2011 Budget			2010-2011 Revised			2011-2012 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
REVENUE SECTION										
Secretariat - Economic Services	3451	0.00	8.00	8.00	0.00	8.66	8.66	0.00	9.20	9.20
Satellite Systems	3252	68.60	25.86	94.46	206.67	26.40	233.07	318.35	27.63	345.98
	Charged	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01
	Voted	68.60	25.85	94.45	206.67	26.39	233.06	318.35	27.62	345.97
Space Research	3402	2254.16	744.14	2998.30	1710.81	844.94	2555.75	2433.12	889.17	3322.29
	Charged	0.00	0.49	0.49	0.00	0.49	0.49	0.00	0.49	0.49
	Voted	2254.16	743.65	2997.81	1710.81	844.45	2555.26	2433.12	888.68	3321.80
Aid Materials & Equipment	3606	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total - Revenue Section		2322.76	778.00	3100.76	1917.48	880.00	2797.48	2751.47	926.00	3677.47
	Charged	0.00	0.50	0.50	0.00	0.50	0.50	0.00	0.50	0.50
	Voted	2322.76	777.50	3100.26	1917.48	879.50	2796.98	2751.47	925.50	3676.97
CAPITAL SECTION										
Capital Outlay on Satellite Systems	5252	612.47	0.00	612.47	535.02	0.00	535.02	739.95	0.00	739.95
Capital Outlay on Space Research	5402	2064.81	0.00	2064.81	1547.54	0.00	1547.54	2208.62	0.00	2208.62
	Charged	0.40	0.00	0.40	0.40	0.00	0.40	0.40	0.00	0.40
	Voted	2064.41	0.00	2064.41	1547.14	0.00	1547.14	2208.22	0.00	2208.22
Total - Capital Section		2677.28	0.00	2677.28	2082.56	0.00	2082.56	2948.57	0.00	2948.57
	Charged	0.40	0.00	0.40	0.40	0.00	0.40	0.40	0.00	0.40
	Voted	2676.88	0.00	2676.88	2082.16	0.00	2082.16	2948.17	0.00	2948.17
GRAND TOTAL		5000.04	778.00	5778.04	4000.04	880.00	4880.04	5700.04	926.00	6626.04
	Charged	0.40	0.50	0.90	0.40	0.50	0.90	0.40	0.50	0.90
	Voted	4999.64	777.50	5777.14	3999.64	879.50	4879.14	5699.64	925.50	6625.14

**GLOSSARY of Terms Used**

ISRO	Indian Space Research Organization	
DOS	Department of Space	
BEA	Budgetary and Economic Analysis Office, ISRO HQ	This Office is functioning at ISRO Hq which is responsible for planning, analysis of activities and formulation of overall Budget.
PRGOFC	Programme Office	The Budget focal point in-charge of space programme. For instance GEOSAT Programme office in ISAC. Similarly several programme offices may be functioning at Cost Centres
PPEG	Programme Planning & Evaluation Group	PPEGs of cost centres are responsible for formulation of budget estimates for centre activities such as R&D, Facility Operations, Salary & Administration, Technical facilities/infrastructure etc.
PMO	Project Management Office	PMOs are the Budget focal points at Cost Centres for formulation of budget estimates for projects such as Mars Orbiter Mission, Chandrayaan etc
PAO	Pay and Accounts Officer	The officer at DOS Hq who is responsible for consolidating the monthly expenditure details furnished by all the cost centres.
ISRO Council		It is a highest decision making body at organizational level comprising of the Directors of cost centres. ISRO Council examines the draft budget document containing detailed break-up of programmes/projects and budget estimates there under.
White Book		It is a book containing the Budget Estimates in respect of Cost Centres, Projects, Programmes with detailed break-up. The contents include forecasts for the next year, revised estimates for the current year, actual expenditure for the previous year, up to date expenditure for the current year along with reasons for variations and remarks.
Space Commission		It is the apex policy making body comprising of dignitaries from Govt. of India and its nominees. 'White Book' is examined by Space Commission and accords approval.



AS&FA	Additional Secretary & Financial Advisor	The officer in charge of the Integrated Finance Division of DOS/ISRO who periodically reviews the progress of expenditure and also the accuracy of estimates.
e-PAC	Electronic Pay and Accounts Officer-wise Consolidation	This is a software/utility deployed in the office of PAO, DOS to consolidate monthly accounts of expenditure submitted (in the form of text files) by the cost centres. The proposed software is expected to provide an external interface with the e-pac software wherein monthly expenditure position could be updated.
FY CY PY	Financial Year Current Year Previous Year	
DDG	Detailed Demand for Grant	The final product of the entire budgeting process containing object head-wise break of Budget Estimates for ensuing year and the Revised Estimates for the current year which is laid before the Parliament for voting.
RE	Revised Estimates	These are the Revised forecasts of cash-flow requirements for the ongoing year.
BE	Budget Estimates	These are the projections for the Budgeting year which is approved by Parliament.
SBE	Statement of Budget Estimates	The format in which estimates (BE&RE) are submitted to Ministry of Finance before preparation of DDG. This contains Revenue-Capital, Plan-Non-Plan bifurcation of expenses
Vote-on- Account		Parliament may sanction advance grant (a certain percentage of the Budget) to meet the budget requirements of the first two/three months of each financial year pending detailed discussion of the budget.
Revenue & Capital Expenditure		Revenue Expenses are expenses the utility of which may not extend over that particular financial year. These expenses are essential for running/functioning of the establishment. Whereas, utility of Capital expenditure spreads over multiple years with a view to create tangible assets.
		Revenue Expenses and Capital Expenses can be identified by the object heads assigned to each which is as prescribed by CGA
		Plan Expenses denotes expenses w.r.t Plan projects/schemes approved under Five Year Plan of the Department. All other expenses forms Non-Plan





## Expenses

The bifurcation of Plan & Non-Plan expenses have to be captured at the time of submission of Budget estimates by PPEG/PMO/Programme offices.

Voted and Charged  
Expenditure

Voted Expenses denote expenses which require the voting of the Parliament. Charged Expenses are not voted by the Parliament such as Court decrees, legal awards, fines etc.

GIA

Grant-in-Aid

The bifurcation of Voted & Charged expenses have to be captured at the time of submission of Budget estimates by PPEG/PMO/Programme offices.

It is an item of Expenditure which denotes funding to Autonomous bodies, educational institutions, welfare associations etc.

NITI Aayog

National Institution for  
Transforming India

The national level body which is authorized to oversee the schemes and programmes formulated by the Administrative Ministries/Departments which is a replacement of erstwhile Planning Commissions.

Autonomous  
Bodies

5 Autonomous Bodies  
functioning under the  
umbrella of DOS/ISRO

Unlike the Centres/Projects/Units functioning under DOS/ISRO which follow cash based accounting system, autonomous bodies follow Commercial/Accrual based accounting. They are financed by way of Grant-in-Aids by the Department.

