Search Tips for Searching the Official Debates of Rajya Sabha

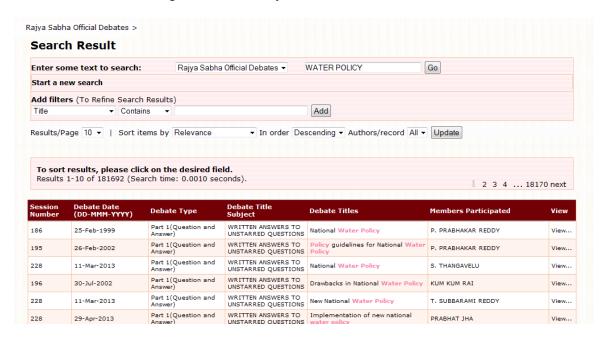
RS debate has been developed using open source software "DSpace". It has deployed SOLR search engine through which one can browse, perform simple search and filter search.

1. SIMPLE SEARCH

One can type any single word or group of words or phrases which are searched as free text word(s) in metadata as well in full text debates. It may locate those debates wherever these words or phrases may occur in the metadata and full text debates. As a default, SOLR search engine uses 'OR' Boolean operator, that is, search results contain either of the terms. For Example:

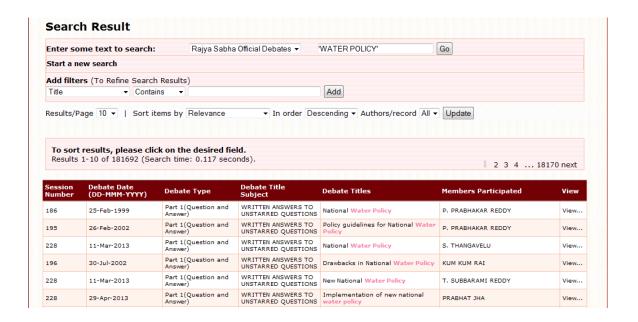
A. Case 1: Search on Water Policy as keywords

It shows debates containing Water OR Policy as search term.



B. Case 2: Search on "Water Policy" as a phrase

In this case it shows all the debates containing "Water Policy" where these words are occurring together.



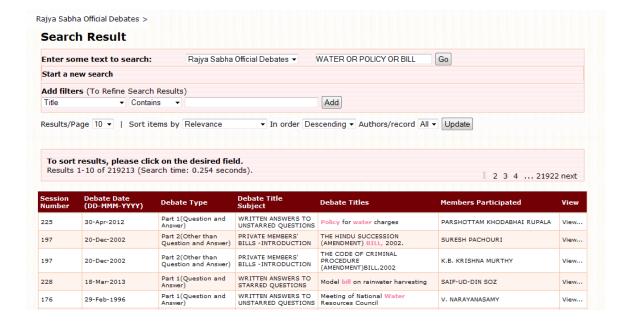
However, one can further refine the search by using Boolean operators.

2. BROADEN THE SEARCH USING OR OPERATOR

A. User may add more terms to enhance search results. For Example:

Water Policy Bill

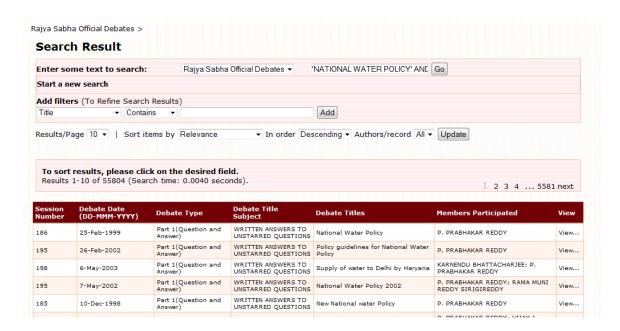
This will show debates that have **Water** OR **Policy** OR **Bill** as search terms.



3. NARROW DOWN SEARCH USING AND OPERATOR

A. One can narrow down the search by using AND operator. For Example:

"National Water Policy" AND "P. PRABHAKAR REDDY"

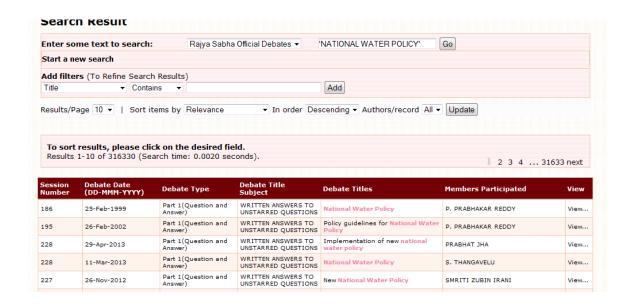


Here, Search results show debates that have both "National Water Policy" AND "P. PRABHAKAR REDDY".

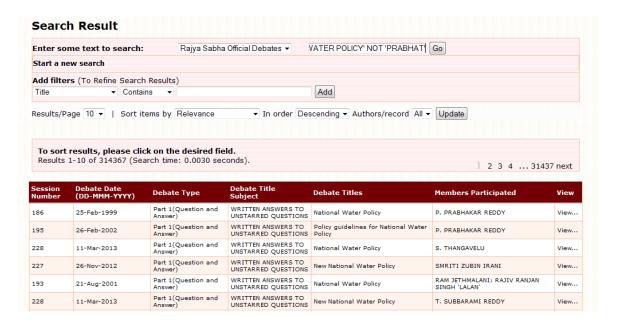
4. Negation of search terms using NOT operator

A. In case, user does not want to have certain terms in the search results. It can be achieved by using "NOT" operator. For Example: To search "National Water Policy" NOT "PRABHAT"

Simple search on "National Water Policy"



"National Water Policy" NOT "PRABHAT"



This will show those debates that have "National Water Policy" but not containing "PRABHAT" in them.

5. SEARCH USING COMBINATION OF OPERATORS

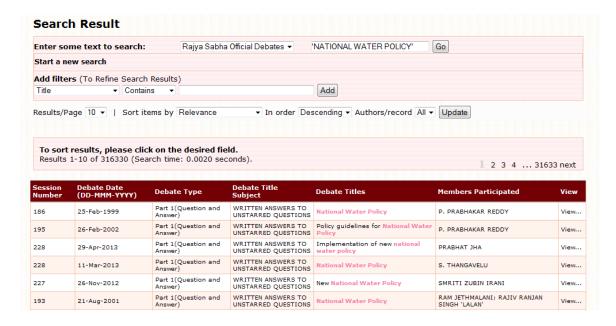
A. AND and OR combination

For Example: "National Water Policy" OR "National Water Mission" AND "Nand Kumar Sai"

In this, search is performed by combining AND/OR operators.

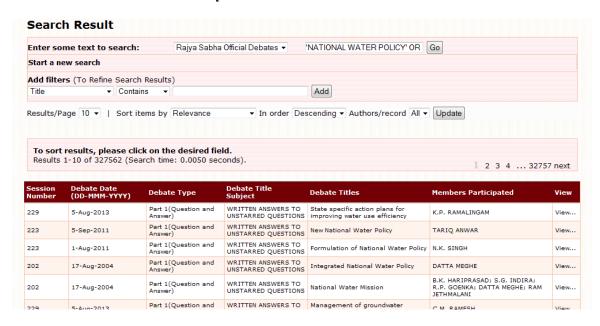
Step 1:

Simple search on "National Water Policy"



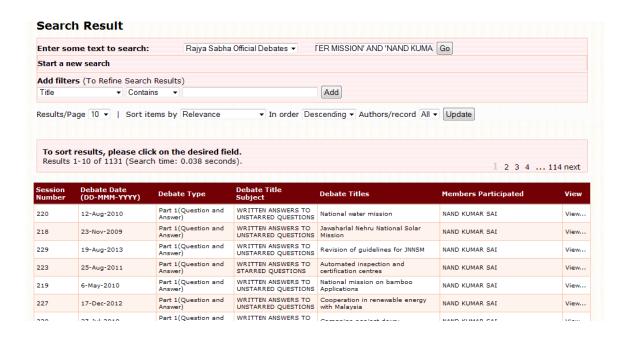
Step 2:

Search on "National Water Policy" OR "National Water Mission"



Step 3:

"National Water Policy" OR "National Water Mission" AND "Nand Kumar Sai"



This will show those debates that have any of "National Water Policy" OR "National Water Mission" terms AND "Nand Kumar Sai" in them.

B. AND and NOT combination

For Example: ("National Water Policy" AND "Ishwar Singh") NOT "National Water Mission"

In this, search is performed by combination of AND/NOT operators.

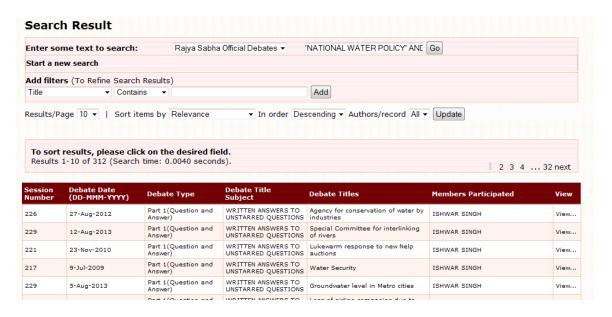
Step1:

Simple search on "National Water Policy"

Enter so	me text to search:	Rajya Sabha	Official Debates 🔻	'NATIONAL WATER POLICY'	Go	
Start a n	ew search					
Add filte	ers (To Refine Search	n Results)				
Title	▼ Contai	ins 🔻		Add		
	t results, please clic 1-10 of 316330 (Sea	ck on the desired fie				
Session	<u> </u>				1 2 3 4 316	
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lumber	Debate Date		Debate Title	Debate Titles National Water Policy		
Number 186	Debate Date (DD-MMM-YYYY)	Debate Type Part 1(Question and	Debate Title Subject WRITTEN ANSWERS TO	National Water Policy Policy guidelines for National Water	Members Participated	View
186 195	Debate Date (DD-MMM-YYYY) 25-Feb-1999	Debate Type Part 1(Question and Answer) Part 1(Question and	Debate Title Subject WRITTEN ANSWERS TO UNSTARRED QUESTIONS WRITTEN ANSWERS TO	National Water Policy Policy guidelines for National Water Policy Implementation of new national	Members Participated P. PRABHAKAR REDDY	View.
186 195 228	Debate Date (DD-MMM-YYYY) 25-Feb-1999 26-Feb-2002	Debate Type Part 1(Question and Answer) Part 1(Question and Answer) Part 1(Question and Answer)	Debate Title Subject WRITTEN ANSWERS TO UNSTARRED QUESTIONS WRITTEN ANSWERS TO UNSTARRED QUESTIONS WRITTEN ANSWERS TO	National Water Policy Policy guidelines for National Water Policy Implementation of new national	Members Participated P. PRABHAKAR REDDY P. PRABHAKAR REDDY	View.
	Debate Date (DD-MMM-YYYY) 25-Feb-1999 26-Feb-2002 29-Apr-2013	Part 1(Question and Answer) Part 1(Question and Answer) Part 1(Question and Answer) Part 1(Question and Part 1(Question and	Debate Title Subject WRITTEN ANSWERS TO UNSTARRED QUESTIONS WRITTEN ANSWERS TO UNSTARRED QUESTIONS WRITTEN ANSWERS TO WRITTEN ANSWERS TO	National Water Policy Policy guidelines for National Water Policy Implementation of new national water policy National Water Policy	Members Participated P. PRABHAKAR REDDY P. PRABHAKAR REDDY PRABHAT JHA	View. View. View.

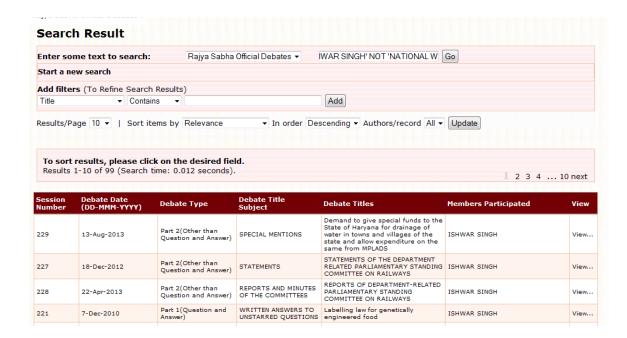
Step2:

Search on "National Water Policy" AND "Ishwar Singh"



Step3:

("National Water Policy" AND "Ishwar Singh") NOT "National Water Mission"



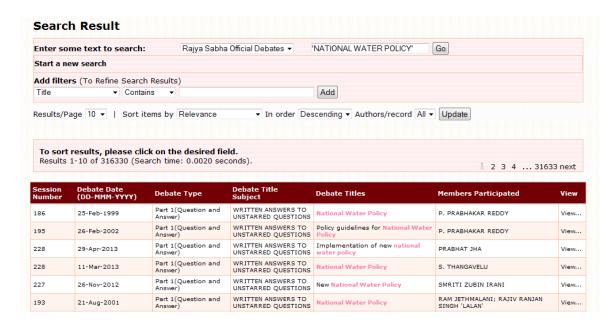
This will show those debates that have any of "National Water Policy" AND "Ishwar Singh" but NOT having "National Water Mission"

C. OR and NOT combination

For Example: ("National Water Policy" OR "National Water Mission") NOT "N.K Singh" In case, search is done by combination of OR/NOT operators.

Step1:

Simple search on "National Water Policy"



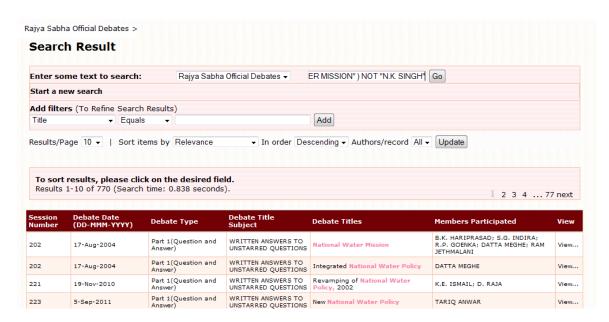
Step2:

Search on "National Water Policy" OR "National Water Mission"

Enter some text to search:		: Rajya Sabha	Rajya Sabha Official Debates ▼ 'NATIONAL WATER POLICY' OR Go				
Start a n	ew search						
Add filte	rs (To Refine Searc	h Results)					
Title	▼ Conta	ains 🔻		Add			
Results/P	age 10 ▼ Sorti	tems by Relevance	▼ In order Des	scending • Authors/record All •	Update		
		ck on the desired fie					
Session	Debate Date	Pehate Type	Debate Title	Debate Titles	1 2 3 4 3275		
Session	<u> </u>	Debate Type	Debate Title Subject	Debate Titles	1 2 3 4 3275	7 next	
Session Number	Debate Date		Debate Title	State specific action plans for			
Session lumber 229	Debate Date (DD-MMM-YYYY)	Debate Type Part 1(Question and	Debate Title Subject WRITTEN ANSWERS TO	State specific action plans for	Members Participated	Viev	
Session lumber 229	Debate Date (DD-MMM-YYYY) 5-Aug-2013	Debate Type Part 1(Question and Answer) Part 1(Question and	Debate Title Subject WRITTEN ANSWERS TO UNSTARRED QUESTIONS WRITTEN ANSWERS TO	State specific action plans for improving water use efficiency	Members Participated K.P. RAMALINGAM TARIQ ANWAR	View	
ession lumber 29 23	Debate Date (DD-MMM-YYYY) 5-Aug-2013 5-Sep-2011	Debate Type Part 1(Question and Answer) Part 1(Question and Answer) Part 1(Question and Answer)	Debate Title Subject WRITTEN ANSWERS TO UNSTARRED QUESTIONS WRITTEN ANSWERS TO UNSTARRED QUESTIONS WRITTEN ANSWERS TO	State specific action plans for improving water use efficiency New National Water Policy	Members Participated K.P. RAMALINGAM TARIQ ANWAR	View	
Results Session Number 229 223 223 202	Debate Date (DD-MMM-YYYY) 5-Aug-2013 5-Sep-2011 1-Aug-2011	Part 1(Question and Answer) Part 1(Question and Answer) Part 1(Question and Answer) Part 1(Question and Part 1(Question and	Debate Title Subject WRITTEN ANSWERS TO UNSTARRED QUESTIONS WRITTEN ANSWERS TO UNSTARRED QUESTIONS WRITTEN ANSWERS TO WRITTEN ANSWERS TO	State specific action plans for improving water use efficiency New National Water Policy Formulation of National Water Policy	Members Participated K.P. RAMALINGAM TARIQ ANWAR N.K. SINGH	View View View	

Step3:

("National Water Policy" OR "National Water Mission") NOT "N.K Singh"



This will show those debates that have any of "National Water Policy" OR "National Water Mission" but NOT "Singh" in them.

6. **SEARCH WITH FILTERS**

SOLR search engine search provides facility to apply search filters to limit the search results to specific fielded search criteria.

Filter search has three components such as Field Name, Filter Operators and Field Value.

Field Name: It is the metadata fields such as Title, Debate type, Members Participated etc. which can be selected from combo box.

Filter Operators: It provides various search filter operators such as "Contains" "Not Contains" "Equals" "Not Equals" which can be selected from combo box.

Field Value: Users has to type value for the field name. It also provides auto completion facility.

For Example:

A. Search on "Zoological Survey of India" has been performed as a free text search.

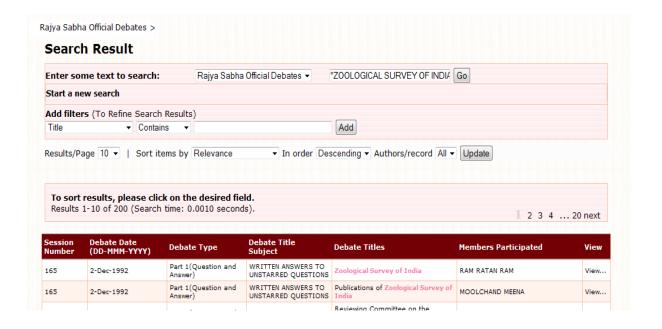


Fig 1: Filter Simple search on "Zoological Survey of India"

B. Search can be refined using search filters. Here search term "Zoological" will be searched as Search Filter in "Title" field. Screen shot of search is shown in fig2.

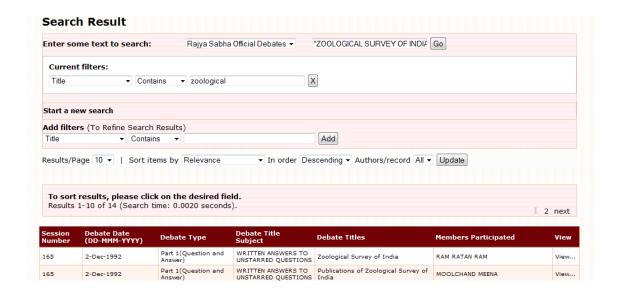


Fig 2: Filter search on "Zoological" in Title field.

C. Search can further refine using "Debate Date" as search filter. Screen shot of search is shown in fig3.

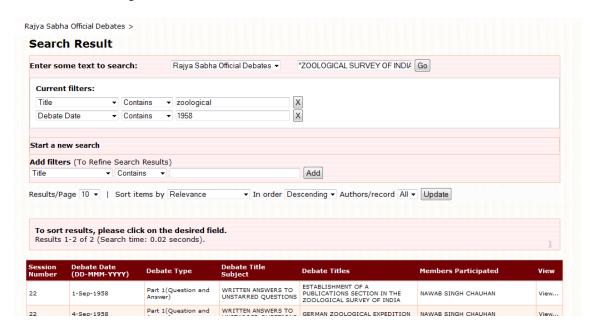


Fig 3: Filter search on "1958" in Debate Date field.

7. Some More Examples Using Various Search Field Operators.

A. Contains Search Operator

It searches word or phrase present anywhere in the field For Example: If you have to search "Zoological Survey of India" debate in year 1957:

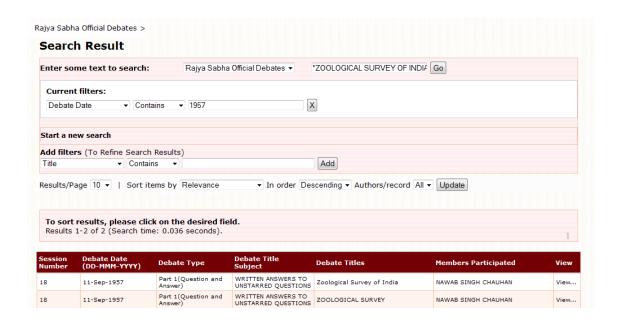


Fig 4: Search results using "CONTAIN" as field operator

B. Not Contains Search Operator

It searches word or phrase does not exist anywhere in the field. For Example: If you have to search "Zoological Survey of India" debate other than year 1957, use the query:

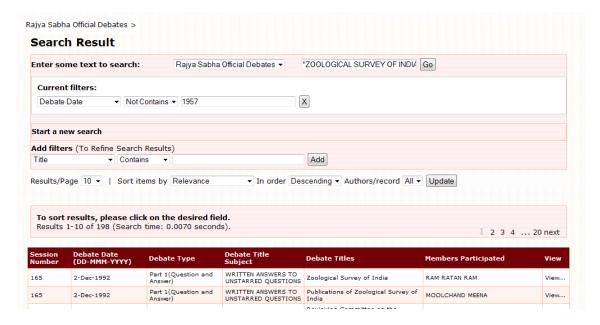


Fig 5: Search results using "NOT CONTAIN" as field operator

C. Equals Search Operator

It searches exact match of word or phrase in the field. For Example: If you have to search "Zoological Survey of India" debate of 165 session number, use the query:

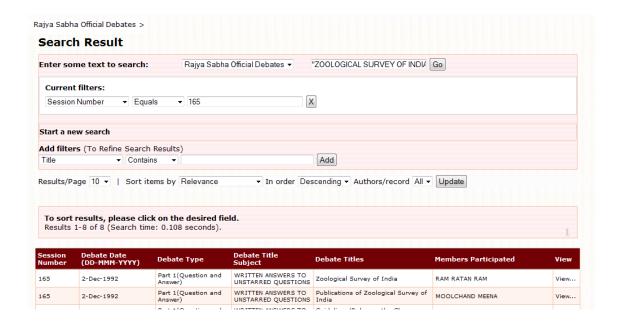


Fig 6: Search results using "EQUAL" as field operator.

D. Not Equals Search Operator

It searches for debate other than where there is a exact match of word or phrase in the field. For Example: If you have to search "Zoological Survey of India" debate of other than 165 session number, use the query:

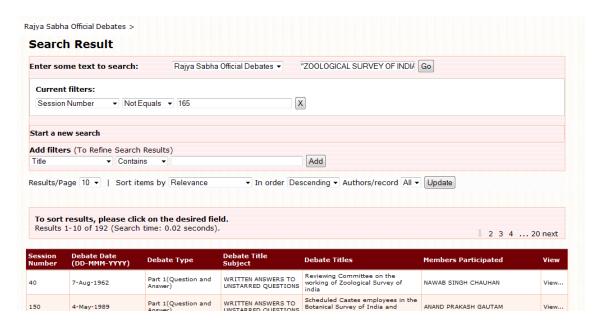


Fig 7: Search results using "NOT EQUAL" as field operator.

One can filter and customize search results by using the option "Add Filter" on the advance search page. Many search filters can be added by clicking "Add" button.

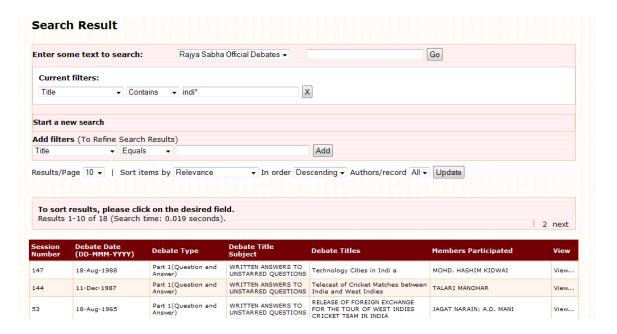
NOTE:

For specific search use simple search and then use filters to refine simple search results and get specific information.

8. WILDCARD SEARCHES

One can also search multiple character as wildcard search by using "*" symbol.

For Example: to search for "India", "Indian", "Indians" or "Indianisation" One can use the search as India*



One can also use the wildcard searches in the middle of a term. **Indi*n**

9. FUZZY SEARCHES

Fuzzy search is the technique of finding string that match a pattern approximately ,rather than exactly. One can do a fuzzy search using the titde "~" symbol at the end of the Single word term.

For Example: To search for word similar in spellings to "Role" one can do the fuzzy search: **role**~ This search will find terms like rome, rola, rale, pole, gole etc.

Here in this example India~ searches words like "Indna" "Indiax" "Indaia" etc

