GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
RAJYA SABHA
UNSTARRED QUESTION NO. 1996
ANSWERED ON 21.03.2022

PROFILING GROUNDWATER RESOURCES

1996. SHRI SUJEET KUMAR

Will the Minister of **JAL SHAKTI** be pleased to state:

(a) whether Government has undertaken any study to profile the groundwater resources of districts in the country, if so, the details of the stage of groundwater development in the districts of Odisha;

(b) whether it is a fact that there are many districts in the country where groundwater is yet to be used to its fullest potential;

(c) if so, whether Government intends to introduce any scheme to utilize unused groundwater in such potential districts; and

(d) if not, the steps it is taking to use such resources under existing schemes?

ANSWER

MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) The Dynamic Ground Water Resources of the country including Odisha are being periodically assessed jointly by Central Ground Water Board (CGWB) and State Governments. The information in this regard has been compiled for various assessment units (mandals/firkas/blocks/taluks etc) in the country including district levels. As per the 2020 assessment, the details of ground water resources in the district of Odisha are given in **Annexure**.

(b) & (c) As per the 2020 assessment, out of the total 6965 assessment units in the country, 4427 units have been categorized as 'Safe', where the Annual Ground Water Extraction is less than or, equal to 70% of Annual Extractable Ground Water Resource. In addition, 310 districts (with all assessment units) in the country have been assessed to be falling in the 'Safe' category.

Further, this Department is implementing Pradhan Mantri Krishi Sinchai Yojna – Har Khet Ko Paani - Ground Water Irrigation (PMKSY-HKKP-GW) in 'Safe' areas (certain areas of around 96 districts meeting the scheme guidelines) of the country where the stage of groundwater development is less than 60% (and meeting other extant conditions as per the scheme guidelines) in collaboration with States/UTs to utilize the available replenishable groundwater for the benefit of small and marginal farmers.

(d) Question does not arise in view of the reply given above.

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ANNEXURE

ANNEXURE REFERRED TO IN THE REPLY TO PART (a) OF UNSTARRED QUESTION NO. †1996 TO BE ANSWERED IN RAJYA SABHA ON 21.03.2022 REGARDING "PROFILING GROUNDWATER RESOURCES".

DYNAMIC GROUND WATER RESOURCES OF ODISHA 2020

S. No.	Name of District	Total Annual Ground Water Recharge	Annual Extractable Ground Water Resource	Annual Groundwater Extraction (total)	Stage of Groundwater Extraction (%)
1	Angul	59529.76	55077.39	25536.27	46.36
2	Balasore	131300.90	121284.03	68593.27	56.56
3	Bargarh	63315.96	58594.76	30435.30	51.94
4	Bhadrak	56783.98	51328.62	30194.74	58.83
5	Bolangir	59891.75	55514.38	25751.22	46.39
6	Boudh	25662.34	23560.34	10157.50	43.11
7	Cuttack	73111.53	66992.29	29182.85	43.56
8	Deogarh	33640.41	30689.22	16494.11	53.75
9	Dhenkanal	48250.13	44724.57	16316.26	36.48
10	Gajapati	21912.44	19861.31	6656.61	33.52
11	Ganjam	101544.67	92962.30	35764.68	38.47
12	Jagatsinghpur	48106.82	43580.43	24335.16	55.84
13	Jajpur	56967.07	52190.81	33696.58	64.56
14	Jharsuguda	20059.68	18558.10	9002.57	48.51
15	Kalahandi	66213.12	61051.06	24396.35	39.96
16	Kandhamal	35710.45	32840.72	9406.59	28.64
17	Kendrapara	26244.17	23934.79	10485.07	43.81
18	Keonjhar	89098.83	81179.11	34078.74	41.98
19	Khurda	46527.57	42781.81	24445.79	57.14
20	Koraput	55527.94	50934.15	10875.31	21.35
21	Malkangiri	33439.20	30467.63	5042.93	16.55
22	Mayurbhanj	147671.25	137053.64	56089.91	40.93
23	Nabarangapur	61747.60	56844.77	19118.36	33.63
24	Nayagarh	38718.31	35898.01	14123.94	39.34
25	Nuapada	32016.14	29229.23	17974.37	61.49
26	Puri	64433.31	59547.34	30387.03	51.03
27	Rayagada	35059.20	32448.08	9597.77	29.58
28	Sambalpur	63467.49	58074.47	16499.66	28.41
29	Subarnapur	26761.42	24785.48	11297.29	45.58
30	Sundargarh	85676.61	79304.61	29955.98	37.77
	Total (Ham)	**1708390.05**	**1571293.39**	**685892.22**	**43.65**
	Total (BCM)	**17.08**	**15.71**	**6.86**	**43.65**

*Ham – Hectare-Metre

*BCM – Billion Cubic Metre

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