

## Outcome based SDG budget – Health and Nutrition

The three parameters for Health and Nutrition are anaemia in:

1. Children (6 – 59 months)
2. Adolescent Girls (15 – 19 yrs)
3. Pregnant Women

Impact indicators were analysed for each of the parameters for 226 taluks of all 31 districts of the state with the objective of deriving the following outcomes:

1. 0% Children (6 – 59 months) from 65.5%
2. 0% Adolescent Girls (15 – 19 yrs) from 49.4%
3. 0% Pregnant Women from 47.8%

Based on the analysis, the following were high impact in achieving the outcomes:

1. Anaganwadis which require own building (from rented)
2. Availability of Public Health center (PHC)
3. Availability of Community Health center (CHC)
4. Skilling of female (Youth)
5. Literacy also had an impact in anaemia of Adolescent and pregnant women

The impact percent was calculated and alternates using Bayesian Theory were considered. Based on the same, skilling of female was predominant for all three outcomes, availability of PHC and CHC for child and adolescent, Literacy is subsumed into Skilling and treated as a causation effect.

Based on the analysis, the minimum numbers as below are required to achieve 0% anaemia across child, adolescent and pregnant women are as follows:

Sl no	Requirement	Number	Unit Cost Rs Lakhs	Total amount (Rs Cr)
1	Anaganwadis to be constructed	1452	15	217.80
2	Public Health Centers (PHC) to be constructed	96	700	672.00
3	Community Health Centers (CHC) to be constructed	183	1000	1830.00
4	Skilling to be provided to Female youth	321065	0.015	481.60

Talukwise details provided below.

**SDG Budget for Health and Nutrition (reducing Anaemia in children, adolescent girls and pregnant women to 0)**

Sl no	District	Taluk	Minimum no. of anganwadis to be built to reduce child anaemia to 0%	Total Rs Crore (@ unit cost of Rs 15 per Anganwadi with MGNREGA convergence)	Mimimum PHC for reducing child anaemia	Total Rs Crore (@ unit cost of Rs 7 crore) for PHC	Mimimum CHC for reducing child anaemia	Total Rs Crore (@ unit cost of Rs 10 crore) for CHC	Minimum number of Female youth to be provided skilling to reduce child anaemia	Total Rs Crore (@ unit cost of Rs 15,000) for skilling
1	Bagalkot	Badami	8	1.2	1	7	1	10	1227	1.84
2	Bagalkot	Bagalkote	7	1.05			1	10	1568	2.35
3	Bagalkot	Bilagi	3	0.45	1	7			643	0.96
4	Bagalkot	Guledagudda	5	0.75					312	0.47
5	Bagalkot	Hungund	12	1.8					1154	1.73
6	Bagalkot	Ilkal	9	1.35					880	1.32
7	Bagalkot	Jamakhandi	14	2.1	1	7	1	10	979	1.47
8	Bagalkot	Mudhol	6	0.9			1	10	1319	1.98
9	Bagalkot	RABAKAVI BANAHAATTI	13	1.95	1	7			1552	2.33
10	Ballari	Ballari	19	2.85	2	14	2	20	5913	8.87
11	Ballari	Kampli	1	0.15					1768	2.65
12	Ballari	Kurugodu	2	0.3					570	0.86
13	Ballari	Siraguppa	8	1.2	1	7	1	10	2488	3.73
14	Ballari	Sonduru	2	0.3	2	14	1	10	2671	4.01
15	Belagavi	Athani	9	1.35	1	7	2	20	944	1.42
16	Belagavi	Bailhongal	6	0.9	1	7	1	10	1074	1.61
17	Belagavi	Belagavi	65	9.75	6	42	5	50	4319	6.48
18	Belagavi	Chikkodi	17	2.55	1	7	1	10	818	1.23
19	Belagavi	Gokak	12	1.8			2	20	1618	2.43
20	Belagavi	Hukkeri	12	1.8	1	7	1	10	1521	2.28
21	Belagavi	Kagavada	7	1.05					370	0.56
22	Belagavi	Khanapur	6	0.9	1	7	1	10	564	0.85
23	Belagavi	Kitthuru	3	0.45					556	0.83
24	Belagavi	Mudalagi	1	0.15			1	10	930	1.40
25	Belagavi	Nippani	21	3.15			1	10	593	0.89
26	Belagavi	Raibag	7	1.05	2	14	1	10	1354	2.03

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27	Belagavi	Ramadurg	3	0.45	1	7	1	10	1335	2.00
28	Belagavi	Savadatti	2	0.3	1	7	2	20	1702	2.55
29	Bengaluru Rural	Devanahalli	2	0.3			1	10	888	1.33
30	Bengaluru Rural	Doddaballapura	5	0.75			1	10	1220	1.83
31	Bengaluru Rural	Hoskote	2	0.3			1	10	569	0.85
32	Bengaluru Rural	Nelamangala	4	0.6					753	1.13
33	Bengaluru Urban	Anekal	13	1.95	1	7	1	10	763	1.14
34	Bengaluru Urban	Bangalore (North)	49	7.35	7	49	6	60	33920	50.88
35	Bengaluru Urban	Bangalore-East	2	0.3	4	28	3	30	2241	3.36
36	Bengaluru Urban	Bangalore-South	15	2.25	8	56	3	30	5947	8.92
37	Bengaluru Urban	Yelahanka	1	0.15	1	7	2	20	3583	5.37
38	Bidar	Aurad	6	0.9	1	7			813	1.22
39	Bidar	Basavakalyan	7	1.05			1	10	1724	2.59
40	Bidar	Bhalki	5	0.75			1	10	1203	1.80
41	Bidar	Bidar	17	2.55	1	7	2	20	2724	4.09
42	Bidar	Chittaguppa	3	0.45					945	1.42
43	Bidar	Hulasuru	3	0.45					361	0.54
44	Bidar	Humnabad	6	0.9	1	7			1456	2.18
45	Bidar	Kamalanagara	3	0.45					465	0.70
46	Chamarajanagara	Chamarajanagara	8	1.2			2	20	2360	3.54
47	Chamarajanagara	Gundlupet	2	0.3					1920	2.88
48	Chamarajanagara	Kollegala	11	1.65			1	10	1009	1.51
49	Chamarajanagara	Kollegala(Hanur)	10	1.5			1	10	1765	2.65
50	Chamarajanagara	Yalandur	2	0.3			1	10	445	0.67
51	Chikballapur	Bagepalli	11	1.65					1524	2.29
52	Chikballapur	Chikballapur	7	1.05	1	7	1	10	942	1.41
53	Chikballapur	Chinthamani	9	1.35			1	10	2592	3.89

**SDG Budget for Health and Nutrition (reducing Anaemia in children, adolescent girls and pregnant women to 0)**

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54	Chikballapur	Gauribidanur	4	0.6			1	10	2377	3.57
55	Chikballapur	Gudibande	2	0.3					555	0.83
56	Chikballapur	Shidlagatta	8	1.2			1	10	1395	2.09
57	Chikmagalur	Ajjampura	1	0.15					353	0.53
58	Chikmagalur	Chikmagalur	3	0.45			2	20	876	1.31
59	Chikmagalur	Kadur	3	0.45					760	1.14
60	Chikmagalur	Koppa	1	0.15			1	10	247	0.37
61	Chikmagalur	Mudigere	1	0.15					278	0.42
62	Chikmagalur	Narasimharajapura	1	0.15			1	10	288	0.43
63	Chikmagalur	Sringeri	1	0.15					89	0.13
64	Chikmagalur	Tarikere	2	0.3			1	10	594	0.89
65	Chitradurga	Challakere	4	0.6			1	10	1844	2.77
66	Chitradurga	Chitradurga	13	1.95			1	10	1920	2.88
67	Chitradurga	Hiriyur	5	0.75					1174	1.76
68	Chitradurga	Holalkere	3	0.45					754	1.13
69	Chitradurga	Hosadurga	5	0.75					868	1.30
70	Chitradurga	Molakalmuru	1	0.15					833	1.25
71	Dakshina Kannada	Bantwal	2	0.3	1	7	1	10	473	0.71
72	Dakshina Kannada	Belthangady	1	0.15	1	7	1	10	296	0.44
73	Dakshina Kannada	Kadaba	1	0.15			1	10	199	0.30
74	Dakshina Kannada	Mangalore	5	0.75			3	30	654	0.98
75	Dakshina Kannada	Mudabidri	1	0.15					64	0.10
76	Dakshina Kannada	Puttur	0	0					276	0.41
77	Dakshina Kannada	Sulya	1	0.15			1	10	185	0.28
78	Davanagere	Channagiri	5	0.75	1	7	1	10	872	1.31
79	Davanagere	Davanagere	20	3			3	30	1957	2.94
80	Davanagere	Harihar	9	1.35			1	10	658	0.99

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81	Davanagere	Honnali	4	0.6			1	10	364	0.55
82	Davanagere	Jagaluru	4	0.6			1	10	558	0.84
83	Davanagere	Nyamati	1	0.15					226	0.34
84	Dharwad	Alnavara	2	0.3					197	0.30
85	Dharwad	ANNIGERI	3	0.45					412	0.62
86	Dharwad	Dharwad	29	4.35	2	14	2	20	2167	3.25
87	Dharwad	Hubli	2	0.3	3	21	3	30	2392	3.59
88	Dharwad	Kalgatgi	3	0.45	1	7	1	10	558	0.84
89	Dharwad	Kundgol	3	0.45	1	7	1	10	477	0.72
90	Dharwad	Navalgund	3	0.45					524	0.79
91	Gadag	Gadag	7	1.05			2	20	1924	2.89
92	Gadag	Gajendragad	3	0.45					665	1.00
93	Gadag	Laxmeshwar	3	0.45					644	0.97
94	Gadag	Mundargi	1	0.15			1	10	854	1.28
95	Gadag	Naragund	4	0.6			1	10	476	0.71
96	Gadag	Rona	6	0.9			1	10	1055	1.58
97	Gadag	Shirahatti	3	0.45			1	10	287	0.43
98	Hassan	Alur	2	0.3			1	10	325	0.49
99	Hassan	Arkalgud	2	0.3			1	10	909	1.36
100	Hassan	Arsikere	7	1.05					879	1.32
101	Hassan	Belur	2	0.3					959	1.44
102	Hassan	Channarayapatna	4	0.6					1623	2.43
103	Hassan	Hassan	3	0.45			1	10	1983	2.97
104	Hassan	Holenarasipura	3	0.45					755	1.13
105	Hassan	Sakleshpura	3	0.45			1	10	496	0.74
106	Haveri	Byadagi	1	0.15	1	7	1	10	1085	1.63
107	Haveri	Hangal	4	0.6			1	10	1414	2.12

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108	Haveri	Haveri	4	0.6			1	10	1497	2.25
109	Haveri	Hirekerur	4	0.6			1	10	414	0.62
110	Haveri	Ranebennur	5	0.75			1	10	1020	1.53
111	Haveri	Rattehalli	4	0.6					654	0.98
112	Haveri	Savanur	6	0.9			1	10	1331	2.00
113	Haveri	Shiggaon	5	0.75	1	7	1	10	1416	2.12
114	Kalaburgi	Afzalpur	3	0.45	1	7			1029	1.54
115	Kalaburgi	Aland	8	1.2					1912	2.87
116	Kalaburgi	Chincholi	4	0.6					1202	1.80
117	Kalaburgi	Chittapur	13	1.95					2144	3.22
118	Kalaburgi	Gulbarga	52	7.8	2	14	3	30	3474	5.21
119	Kalaburgi	Jevargi	7	1.05					1171	1.76
120	Kalaburgi	Kalagi	6	0.9					1267	1.90
121	Kalaburgi	Kamalapura	9	1.35			1	10	904	1.36
122	Kalaburgi	Sedam	5	0.75					1649	2.47
123	Kalaburgi	Shahbadha	10	1.5	1	7			1076	1.61
124	Kalaburgi	Yadrami	4	0.6					1233	1.85
125	Kodagu	Madikeri	2	0.3			1	10	361	0.54
126	Kodagu	Somavarapete	2	0.3	1	7			402	0.60
127	Kodagu	Virajpet	3	0.45					472	0.71
128	Kolar	BANGARPET	14	2.1			1	10	509	0.76
129	Kolar	K.G.F	16	2.4	1	7	1	10	1249	1.87
130	Kolar	Kolar	9	1.35			2	20	1239	1.86
131	Kolar	Malur	4	0.6			1	10	859	1.29
132	Kolar	Mulabagilu	10	1.5			1	10	1202	1.80
133	Kolar	Srinivaspura	6	0.9					777	1.17
134	Koppal	Gangavathi	18	2.7	1	7	1	10	2351	3.53

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135	Koppal	Kanakagiri	5	0.75					700	1.05
136	Koppal	Karatagi	10	1.5					689	1.03
137	Koppal	koppal	4	0.6			1	10	3083	4.62
138	Koppal	Kukanuru	2	0.3					708	1.06
139	Koppal	Kushtagi	7	1.05			1	10	2049	3.07
140	Koppal	Yelburga	3	0.45					1912	2.87
141	Mandya	Krishnarajpet	2	0.3					2042	3.06
142	Mandya	Maddur	2	0.3			1	10	1732	2.60
143	Mandya	Malavalli	7	1.05			1	10	1666	2.50
144	Mandya	Mandya	7	1.05			1	10	1735	2.60
145	Mandya	Nagamangala	1	0.15					1175	1.76
146	Mandya	Pandavpura	3	0.45					953	1.43
147	Mandya	Srirangapatna	1	0.15					916	1.37
148	Mysuru	Heggadadevanakote	1	0.15			1	10	975	1.46
149	Mysuru	Hunsur	3	0.45			2	20	1886	2.83
150	Mysuru	K.R.Nagar	4	0.6	1	7			1617	2.43
151	Mysuru	Mysuru	14	2.1	3	21	4	40	5162	7.74
152	Mysuru	Nanjangud	2	0.3	1	7	1	10	2278	3.42
153	Mysuru	Piriyapatna	2	0.3	1	7	1	10	1663	2.49
154	Mysuru	Saraguru	4	0.6	2	14	1	10	1804	2.71
155	Mysuru	T.Narasipura	2	0.3					492	0.74
156	Raichur	Devdurga	8	1.2	1	7			3547	5.32
157	Raichur	Lingasugur	11	1.65	1	7			3009	4.51
158	Raichur	Manvi	13	1.95	1	7	1	10	1702	2.55
159	Raichur	Maski	8	1.2			1	10	774	1.16
160	Raichur	Raichur	24	3.6	2	14	2	20	4465	6.70
161	Raichur	Sindhanur	17	2.55			1	10	2964	4.45

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162	Raichur	Sirivara	10	1.5	1	7			1443	2.16
163	Ramanagar	Channapatna	7	1.05			1	10	1434	2.15
164	Ramanagar	Kanakpura	9	1.35					2874	4.31
165	Ramanagar	Magadi	5	0.75					914	1.37
166	Ramanagar	Ramanagar	9	1.35			1	10	1384	2.08
167	Shimoga	Bhadravathi	8	1.2			1	10	913	1.37
168	Shimoga	Hosanagar	3	0.45			1	10	755	1.13
169	Shimoga	Sagara	1	0.15			1	10	849	1.27
170	Shimoga	Shikaripura	2	0.3	1	7	1	10	1201	1.80
171	Shimoga	Shimoga	9	1.35	1	7	2	20	1522	2.28
172	Shimoga	Soraba	2	0.3			1	10	1147	1.72
173	Shimoga	Thirthahalli	2	0.3					506	0.76
174	Tumkur	Chiknayakanahalli	2	0.3			1	10	1200	1.80
175	Tumkur	Gubbi	5	0.75			1	10	974	1.46
176	Tumkur	Koratagere	5	0.75			1	10	619	0.93
177	Tumkur	Kunigal	5	0.75			1	10	1053	1.58
178	Tumkur	Madhugiri	6	0.9			1	10	978	1.47
179	Tumkur	Pavagada	2	0.3					1073	1.61
180	Tumkur	Sira	9	1.35			1	10	1351	2.03
181	Tumkur	Tiptur	5	0.75			1	10	1319	1.98
182	Tumkur	Tumkur	16	2.4	1	7	3	30	2159	3.24
183	Tumkur	Turuvekere	5	0.75			1	10	680	1.02
184	Udupi	Bramhavara	3	0.45					326	0.49
185	Udupi	Bynduru	2	0.3					432	0.65
186	Udupi	Hebri	1	0.15					101	0.15
187	Udupi	Kapu	3	0.45	1	7	1	10	743	1.11
188	Udupi	Karkala	1	0.15			1	10	113	0.17



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189	Udupi	Kundapur	1	0.15			1	10	832	1.25
190	Udupi	Udupi	2	0.3			2	20	716	1.07
191	Uttara Kannada	Ankola	3	0.45			1	10	264	0.40
192	Uttara Kannada	Bhatkal	1	0.15	1	7	1	10	738	1.11
193	Uttara Kannada	Dandelli	4	0.6	1	7			353	0.53
194	Uttara Kannada	Haliyal	5	0.75			1	10	726	1.09
195	Uttara Kannada	Honnavar	6	0.9			1	10	479	0.72
196	Uttara Kannada	Joida	1	0.15					439	0.66
197	Uttara Kannada	Karwar	7	1.05			1	10	798	1.20
198	Uttara Kannada	Kumta	4	0.6			1	10	303	0.45
199	Uttara Kannada	Mundgod	2	0.3					363	0.54
200	Uttara Kannada	Siddapur	1	0.15			1	10	286	0.43
201	Uttara Kannada	Sirsi	4	0.6			1	10	247	0.37
202	Uttara Kannada	Yellapur	1	0.15					477	0.72
203	Vijayanagara	Hadagali	2	0.3					1756	2.63
204	Vijayanagara	Hagaribommanahalli	1	0.15					1472	2.21
205	Vijayanagara	Harapanahalli	5	0.75					1982	2.97
206	Vijayanagara	Hospet	12	1.8	1	7	2	20	3184	4.78
207	Vijayanagara	Kotturu	1	0.15					1015	1.52
208	Vijayanagara	Kudligi	3	0.45	1	7			3038	4.56
209	Vijayapura	Babaleshwara	5	0.75			1	10	1076	1.61
210	Vijayapura	Basavan Bagewadi	8	1.2			1	10	1489	2.23
211	Vijayapura	Bijapur	16	2.4	2	14	3	30	1980	2.97
212	Vijayapura	Chadachana	6	0.9					614	0.92
213	Vijayapura	Devara Hipparagi	5	0.75			1	10	601	0.90
214	Vijayapura	Indi	10	1.5	1	7	1	10	1365	2.05
215	Vijayapura	Kolhara	2	0.3			1	10	576	0.86

**SDG Budget for Health and Nutrition (reducing Anaemia in children, adolescent girls and pregnant women to 0)**

Sl no	District	Taluk	Minimum no. of anganwadis to be built to reduce child anaemia to 0%	Total Rs Crore (@ unit cost of Rs 15 per Anganwadi with MGNREGA convergence)	Mimimum PHC for reducing child anaemia	Total Rs Crore (@ unit cost of Rs 7 crore) for PHC	Mimimum CHC for reducing child anaemia	Total Rs Crore (@ unit cost of Rs 10 crore) for CHC	Minimum number of Female youth to be provided skilling to reduce child anaemia	Total Rs Crore (@ unit cost of Rs 15,000) for skilling
216	Vijayapura	Muddebihal	14	2.1					1489	2.23
217	Vijayapura	Nidagundi	3	0.45					701	1.05
218	Vijayapura	Sindagi	13	1.95	1	7			1348	2.02
219	Vijayapura	Talikote	11	1.65					893	1.34
220	Vijayapura	Tikota	7	1.05			1	10	1155	1.73
221	Yadgir	Gurumithakala	2	0.3			1	10	3633	5.45
222	Yadgir	Hunisigi	11	1.65	1	7	1	10	2216	3.32
223	Yadgir	Shahapur	9	1.35			1	10	2832	4.25
224	Yadgir	Shorapur	11	1.65			1	10	2317	3.48
225	Yadgir	Vadagera	5	0.75	1	7			3000	4.50
226	Yadgir	Yadgir	13	1.95					3816	5.72
	Total		1452	217.8	96	672	183	1830	321065	481.60