

Sector	Irrigation
Project Name	Improvements of Tanks/Gokatte and Construction of Checkdams to Stream/Halla in Holalkere Taluk, Chitradurga District (21 Nos.).
Submitted by	Minor Irrigation and Ground Water Development Department, Chitradurga
Total Project Cost	INR 37.00 Cr.
Coverage	Chikkandavadi Tank (14° 7'58.50"N 76°10'25.18"E), Budhipura Gokatte (13°59'44.28"N 76°20'37.69"E), Budhipura Checkdam (13°59'51.20"N 76°20'17.22"E) , Kereyagalalahally Tank(14° 0'40.08"N 76°22'43.59"E), Kereyagalalahally Checkdam-01 (13°59'52.94"N 76°22'21.95"E) , Kereyagalalahally Checkdam-02 (13°59'53.57"N 76°22'43.11"E), Gattihosahalli Gokatte(13°59'44.04"N 76°17'19.22"E), Rangavvanahalli Tank (14° 9'57.42"N 76° 8'36.69"E), Tekalavatti Gokatte (14° 2'8.52"N 76°23'33.65"E), Tekalavatti Checkdam (14° 1'39.10"N 76°24'1.97"E) Pampapura Gokatte (14° 4'39.94"N 76°18'29.65"E), Ramenahalli Gokatte(14° 3'35.85"N 76°18'44.05"E), Ichgatta Gokatte(14° 4'56.76"N 76°16'51.99"E), Amruthapura Gokatte(14° 8'15.27"N 76°14'43.71"E), Muthugaduru Tank (14°12'47.23"N 76° 8'7.82"E), Muthugaduru Checkdam (14°11'38.79"N 76° 9'12.95"E), Kagalagere Tank(14°13'32.51"N 76° 8'42.02"E), Kagalagere Checkdam-01 (14°13'47.67"N 76° 9'22.17"E) , Kagalagere Checkdam-02 (14°13'43.03"N 76° 9'13.61"E) Vudagere Tank(14°13'32.51"N 76° 8'42.02"E), Talya Tank(14° 1'25.43"N 76°16'24.09"E)
Project Duration	Short Term (1 Year)
PIA	Minor Irrigation and Ground Water Development Department, Chitradurga
Output (s)	<ul style="list-style-type: none"> Check dams – 7 Nos. Improvement of Tank – 14 Nos.
Justification	<ul style="list-style-type: none"> Due to mining in this area, the ratio of ground water is inversely decreasing which results in decrease in the depth of the water table where nearby boreholes/ wells get least quantity of water every year, through shallow/deep bore wells drilled in Holalkere taluk, the bore wells were drilled from a minimum depth of 30 mbgl to a maximum of 50 mbgl. Depth of weathered zone ranges from 10 mbgl to 4 mbgl. Yield ranges from 0.24 to 0.75 lps. By developing the respective above-mentioned 14 tanks, constructing 7 new checkdams results in improvement of irrigation in the area which in turn results in fertile lands further supplementing crop production and increases the land value.
Outcome (s) (Expected Measurable Benefits)	<ul style="list-style-type: none"> Total number of villages benefited after implementation – 14 Nos. Expected additional irrigational potential due to the intervention in this taluk (proposal) – 1480 Ha. Total number of beneficiaries in this proposal – 650

- Average groundwater availability will increase from 30m to 50m where water will be available at 40m meters below ground level.
- Restore of water sheds affected due to mining activities.
- There will be augmentation of ground water table in the surrounding area due to water stored in the structures by which there will be recharge of borewells and dug wells surround.
- Improve the quality of water in surface and sub-surface aquifers.
- Increase in the yield intern helps in incremental benefits after the advent of irrigation.