



KARNATAKA NEERAVARI NIGAM LIMITED

(A Government of Karnataka Enterprise)

Land Line no. 08188 263641
E Mail: eeknnlmbr@gmail.com

Office of the Executive Engineer
Karnataka Neeravari Nigam Limited
No.3.Bhadra Canal Division,
Malebennur-577530.

JUSTIFICATION LEETTER

IT IS PROPOSED TO CONSTRUCT A NEW TANK NEAR ITTIGEHALLI VILLAGE OF BHDRAVATHI TALUK, SHIVAMOGGA DISTRICT FOR MITIGATING THE DIFFICULTIES OF VILLAGES OF DOWNTRODDEN PEOPLE OF RAIN FALL SCARCITY AREA. THE PURPOSE OF THE PROJECT IS TO FULFILL IRRIGATION DEMAND OF 500 HA AND THE DEMAND FOR WATER SUPPLY FOR CLUSTER OF 7 VILLAGES. THE LOCATION OF THE PROJECT IS AT LATITUDE 13°3'16.311"N AND LONGITUDE 75°47'27.499"E OF ANAVERI CATCHMENT.

THE SOURCE OF WATER IS THE RAIN FALL CONTRIBUTION OF CATCHMENT AREA OF ANAVERI VILLAGE TO EXTENT OF 3.65 SQ KM AND IF NEEDED WATER FROM THE TUNGA RIVER NEAR ANAVERI VILLAGE TO BE LIFTED TO AN EXTENT OF 0.329 MCM. THE YIELD FROM THE ANAVERI CATCHMENT AREA OF 3.65 SQ KM IS 0.325 MCM (11.49 MCFT). THE DEMAND FOR THE IRRIGATION OF PADDY IN KHARIF SEASON IS 3.94 MCM (137.76 MCFT). THE REQUIREMENT FOR THE WATER SUPPLY SCHEME OF 7 VILLAGES IS 0.85 MCM (30.02 MCFT). THE DETAILED ANALYSIS IS MADE TAKING INTO CONSIDERATION THE YIELD, THE MAXIMUM LEVEL THAT CAN BE ADOPTED WITH THE AVAILABLE CONTOUR AND THE CAPACITY OF THE STORAGE.

THE DETAILS OF THE ANALYSIS IS ENLISTED BELOW; SALIENT FEATURE:

1	PROPOSED SITE	ITTIGEHALLI VILLAGE,BADHRVATHI TALUK, SHIVMOGGA DISTRICT
2	LATITUDE	13°3'16.311"N
3	LONGITUDE	75°47'27.499"E
4	SOURCE OF WATER	ANAVERI CATCHMENT AREA/ TUNGA RIVER
5	CATCHMENT AREA	3.65 SQ KM



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6	TBL	RL 631.60 M
7	FTL	RL 629.50 M
8	MWL	RL 630.40 M
9	AVERAGE YIELD	0.325 MCM (11.492 MCFT)
10	GROSS STORAGE CAPACITY	0.327 (11.543 MCFT)
11	WATER SPREAD AREA	10.20 HA (24.657 ACRE)
12	CULTIVABLE COMMAND AREA FROM AVAILABLE SOURCE OF WATER	42.00 HA (101.514 ACRES)
13	DEMAND FOR IRRIGATION	500 HA
14	DEMAND OF WATER FOR 500 HA	3.94 MCM (139.145 MCFT)
15	WATER SUPPLY FOR 4 VILLAGES	ITTIGEHALLI , DIGGENAHALLI, GUDUMAGATTA & ADRIHALLI
16	POPULATION	4085 AS ON 2011, 6554 AS ON 2050
17	DEMAND OF WATER FOR WS OF 4 VILLAGES	0.31 MCM (10.947 MCFT)
18	PROPOSED WS SCHEME OF 7 VILLAGES	SIDDARAKALLAHALLI, DIGGENAHALLI, ADRIHALLI, KURUBARA VITALAPURA, ANAVERI, ITTIGEHALLI & GUDUMAGATTA
19	DEMAND OF WATER FOR WS OF 7 VILLAGES	0.85 MCM (30.017 MCFT)



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19	DEMAND OF WATER FOR WS OF 7 VILLAGES	0.85 MCM (30.017 MCFT)
20	NO. OF FILLINGS OF TANKS	2 (ONCE FROM CATCHMENT AREA AND ONCE FROM TUNGA RIVER)
21	DEMAND FOR BOTH IRRIGATION 42 HA AND WS FOR 4 VILLAGES	0.635 MCM (22.425 MCFT)
22	AVAILABLE WATER FOR 2 FILLINGS	0.654 MCM (23.096 MCFT)
23	HEAD OF ACCOUNT	
24	ESTIMATED COST	10 crore


FROM THE ANALYSIS MADE IT IS CLEAR THAT FOR THE YIELD OF 0.325 MCM, ONLY IRRIGATION FACILITIES CAN BE PROVIDED FOR 42 HA OR WATER SUPPLY SCHEME CAN BE TAKEN UP FOR 4 VILLAGES. THE SECOND OPTION IS TO LIFT THE WATER FROM TUNGA RIVER TO AN EXTENT OF 0.329 MCM TO AUGMENT THE WATER DEMAND FOR BOTH PADDY KHARIF CROP FOR 42 HA AND WATER SUPPLY SCHEME FOR 4 VILLAGES. THE 3RD OPTION IS IRRIGATION FOR KHARIF AND RABI (SEMI DRY) FOR 2 FILLINGS

.. SO THAT AS PER ABOVE WE HAVE APPLIED AREA IN FOREST LAND DIVERSION IN F.SY. NO.17(20 NEW) OF ITTIGEHALLI VILLAGE FOR CONSTRUCTION OF NEW TANK WITH CHECK DAM ALONG WITH CONNECTIVITY ROAD & PIPE LINE IN BHADRAPURA SF & MF AREA IN SHANTHISAGARA RANGE, BHADRAVATHI DIVISION.

SO WE REQUEST TO YOU PLEASE CONCERN ABOVE CONDITION & POINTS TO LEASE ABOVE FOREST AREA AS PER GOVERNMENT NORMS.

DATE :-21-8-2021

PLACE :- BHADRAVATHI


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