

EXTENSIVE SURVEY PROJECT

A Report submitted in partial fulfilment for the award of

Bachelor of Engineering

(Civil Engineering)

By

BATCH 1

KIRAN SAGAR K (4AL17CV026)

AMOGHA H (4AL18CV006)

CHANNABASAVA (4AL18CV012)

MOHAMMED AFREEN (4AL18CV019)

SAGOLSHAM SHERLOCK (4AL18CV032)

OM PRAKASH(4AL17CV047)

VINOD KUMAR L (4AL18CV047)

HARISH J.K. (4AL19CV403)

MOHD SOHAIL (4AL19CV408)

VINAY BGUDIYAL (4AL19CV415)

SHIVAKUMAR (4AL18CV038)

DEPARTMENT OF CIVIL ENGINEERING



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,

MIJAR-574225

KARNATAKA, INDIA

TO



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI-590014

KARNATAKA, INDIA

2020-21
EXTENSIVE SURVEY PROJECT



ALVA'S EDUCATION FOUNDATION

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225

KARNATAKA, INDIA

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the project work entitled "Extensive Survey Project" is the bonafide work carried out by

KIRAN SAGAR K(4AL17CV026)

AMOGHA H(4AL18CV006)

CHANNABASAVA(4AL18CV012)

MOHAMMED AFREEN(4AL18CV019)

SAGOLSHAM SHERLOCK(4AL18CV032)

OM PRAKASH(4AL17CV047)

VINOD KUMAR L (4AL18CV047)

HARISH J.K. (4AL19CV403)


MOHD SOHAIL(4AL19CV408)


VINAY BGUDIYAL(4AL19CV415)

SHIVAKUMAR(4AL18CV038)

In partial fulfilment for the award of **Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi** during the academic year **2020-21**. It is certified that all correction and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.


Santhosh K
Guide


Mr. Surendra P
Camp officer


Dr. H Ajith Hebbar
HOD
H.O.D.
Dept. of Civil Engineering
Alva's Institute of Engg. & Technology
Mijar, Moodbidri - 574 225

SYNOPSIS

This Extensive survey work involves the investigation surveying, planning and design work.

The highway project includes the suitable and economical alignment of the road. Designs of various elements along the road such as vertical curves, thickness of pavements etc. are considered.

The old tank project includes the restoration of existing bund. The upstream side of the bund is silted and the catchment area is reduced. Surveying is carried out along the centre line and upstream side and as well as downstream side of the bund.

The New tank project work deals with alignment of centre line of proposed bund, capacity survey and canal alignments. Proposed new tank project will help in irrigation more fields, which in turn will improve the living conditions of the Mijar.

The water supply and sanitary work includes the surveying carried along the road side. Levels are taken at regular intervals and nearby permanent structures. To know the rate of demand of water forecasting population was determined. The dimensions of the water tank are determined, key map is plotted.

The overall project is very much beneficial to get knowledge of irrigation project, water supply and highway project and for the future development of the Mijar.

EXTENSIVE SURVEY PROJECT

A Report submitted in partial fulfilment for the award of

Bachelor of Engineering

(Civil Engineering)

By

BATCH 2

PAVAN GOWDA K.C (4AL17CV050)

SHREEGANESH G R (4AL18CV0

ARADHYA V M (4AL18CV007)

YESHWANTH B A (4AL18CV049)

DHANANJAY A N (4AL18CV013)

HARISHA R.(4AL19CV404)

MOHAMMED ZAINUDDIN (4AL18CV022)

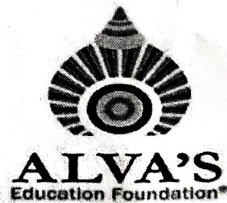
NAVEEN M (4AL19CV410)

SAIROCHANA P S (4AL18CV033)

BORISKHAIDEM (4AL16CV020)

HARI PRASAD R (4AL18CV401)

DEPARTMENT OF CIVIL ENGINEERING

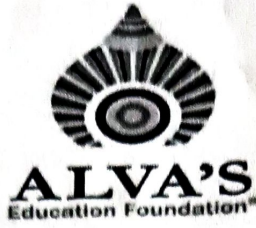


**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225
KARNATAKA, INDIA
TO**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI-590014
KARNATAKA, INDIA
2020-21**

EXTENSIVE SURVEY PROJECT



ALVA'S EDUCATION FOUNDATION

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225

KARNATAKA, INDIA

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the project work entitled "Extensive Survey Project" is the bonafide work carried out by

PAVAN GOWDA K.C (4AL17CV050)

ARADHYA V M (4AL18CV007)

DHANANJAY A N (4AL18CV013)

MOHAMMED ZAINUDDIN (4AL18CV022)

SAIROCHANA P S (4AL18CV033)

HARI PRASAD R (4AL18CV401)

SHREEGANESH G R (4AL18CV0

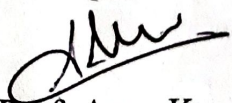
YESHWANTH B A (4AL18CV049)


HARISHA R.(4AL19CV404)


NAVEEN M (4AL19CV410)

BORISKHAIDEM (4AL16CV020)

In partial fulfilment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all correction and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.


Prof. Arun Kumar G S
Guide


Mr. Surendra P
Camp officer


Dr. H. A. Hebbar
HOD

H.O.D.
Dept. of Civil Engineering
Alva's Institute of Engg. & Technology
Mijar, Moodbidri - 574 225

SYNOPSIS

This Extensive survey work involves the investigation surveying, planning and design work.

The highway project includes the suitable and economical alignment of the road. Designs of various elements along the road such as vertical curves, thickness of pavements etc. are considered.

The old tank project includes the restoration of existing bund. The upstream side of the bund is silted and the catchment area is reduced. Surveying is carried out along the centre line and upstream side and as well as downstream side of the bund.

The New tank project work deals with alignment of centre line of proposed bund, capacity survey and canal alignments. Proposed new tank project will help in irrigation more fields, which in turn will improve the living conditions of the Mijar.

The water supply and sanitary work includes the surveying carried along the road side. Levels are taken at regular intervals and nearby permanent structures. To know the rate of demand of water forecasting population was determined. The dimensions of the water tank are determined, key map is plotted.

The overall project is very much beneficial to get knowledge of irrigation project, water supply and highway project and for the future development of the Mijar.

EXTENSIVE SURVEY PROJECT

A Report submitted in partial fulfilment for the award of

Bachelor of Engineering

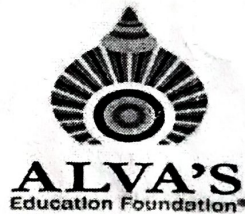
(Civil Engineering)

By

BATCH 3

ABHISHEK ANIL NAMBIAR (4AL18CV002)	SREERAM S (4AL18CV043)
ARUN KAGALGOMB (4AL18CV008)	KUMAR M R (4AL18CV050)
KAVYA H P (4AL18CV015)	HARSHAVARDHANA H (4AL19CV405)
NAVEEN K S (4AL18CV024)	P MANOJ PRABHAKAR (4AL19CV411)
SAJJALASHRI V DEVAPUR (4AL18CV034)	DARSHAN M (4AL16CV025)

DEPARTMENT OF CIVIL ENGINEERING

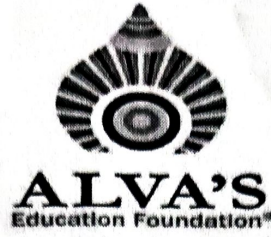


**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225
KARNATAKA, INDIA
TO**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI-590014
KARNATAKA, INDIA
2020-21**

EXTENSIVE SURVEY PROJECT



ALVA'S EDUCATION FOUNDATION

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225**

KARNATAKA, INDIA


DEPARTMENT OF CIVIL ENGINEERING


CERTIFICATE

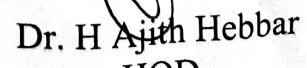
Certified that the project work entitled "Extensive Survey Project" is the bonafide work carried out by

ABHISHEK ANIL NAMBIAR (4AL18CV002)	SREERAM S (4AL18CV043)
ARUN KAGALGOMB (4AL18CV008)	KUMAR M R (4AL18CV050)
KAVYA H P (4AL18CV015)	HARSHAVARDHANA H (4AL19CV405)
NAVEEN K S (4AL18CV024)	P MANOJ PRABHAKAR (4AL19CV411)
SAJJALASHRI V DEVAPUR (4AL18CV034)	DARSHAN M (4AL16CV025)

In partial fulfilment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all correction and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.


Mr. Varadaraj K S
Guide


Mr. Surendra P
Camp officer


Dr. H Ajith Hebbar
HOD

H.O.D.
Dept. of Civil Engineering
Alva's Institute of Engg. & Technology
Mijar, Moodbidri - 574 225

SYNOPSIS

This Extensive survey work involves the investigation surveying, planning and design work.

The highway project includes the suitable and economical alignment of the road. Designs of various elements along the road such as vertical curves, thickness of pavements etc. are considered.

The old tank project includes the restoration of existing bund. The upstream side of the bund is silted and the catchment area is reduced. Surveying is carried out along the centre line and upstream side and as well as downstream side of the bund.

The New tank project work deals with alignment of centre line of proposed bund, capacity survey and canal alignments. Proposed new tank project will help in irrigation more fields, which in turn will improve the living conditions of the Mijar.

The water supply and sanitary work includes the surveying carried along the road side. Levels are taken at regular intervals and nearby permanent structures. To know the rate of demand of water forecasting population was determined. The dimensions of the water tank are determined, key map is plotted.

The overall project is very much beneficial to get knowledge of irrigation project, water supply and highway project and for the future development of the Mijar.

EXTENSIVE SURVEY PROJECT

A Report submitted in partial fulfilment for the award of

Bachelor of Engineering

(Civil Engineering)

By

BATCH 4

ABHISHEK POTADAR (4AL18CV003)

SAMUKCHAM NONGYENG (4AL18CV044)

ARUN KUMAR SHEKAPPA (4AL18CV009)

AKASH SHETTY (4AL19CV400)

KUSHANTH C (4AL18CV016)

LOKESH S (4AL19CV406)

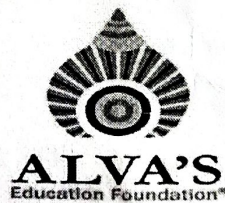
NEHA N RATHOD (4AL18CV025)

PRABHU D.P (4AL19CV412)

SANGEETA (4AL18CV035)

RAGHAVENDRA B M (4AL16CV069)

DEPARTMENT OF CIVIL ENGINEERING

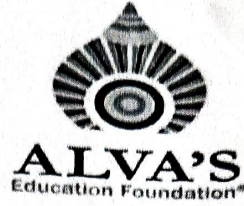


**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225
KARNATAKA, INDIA
TO**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI-590014
KARNATAKA, INDIA
2020-21**

EXTENSIVE SURVEY PROJECT



ALVA'S EDUCATION FOUNDATION

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225

KARNATAKA, INDIA

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the project work entitled "Extensive Survey Project" is the bonafide work carried out by

ABHISHEK POTADAR (4AL18CV003)

SAMUKCHAM NONGYENG (4AL18CV044)

ARUN KUMAR SHEKAPPA (4AL18CV009)

AKASH SHETTY (4AL19CV400)

KUSHANTH C (4AL18CV016)

LOKESH S (4AL19CV406)


NEHA N RATHOD (4AL18CV025)

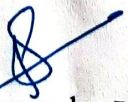
PRABHU D.P (4AL19CV412)

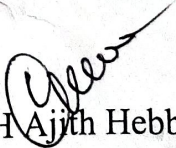
SANGEETA (4AL18CV035)

RAGHAVENDRA B M (4AL16CV069)

In partial fulfilment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all correction and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.


Mr. Sandeep Kumar D S
Guide


Mr. Surendra P
Camp officer


Dr. H. Ajith Hebbar
HOD

H.O.D.
Dept. of Civil Engineering
Alva's Institute of Engg. & Technology
Mijar, Moodbidri - 574 225

SYNOPSIS

This Extensive survey work involves the investigation surveying, planning and design work.

The highway project includes the suitable and economical alignment of the road. Designs of various elements along the road such as vertical curves, thickness of pavements etc. are considered.

The old tank project includes the restoration of existing bund. The upstream side of the bund is silted and the catchment area is reduced. Surveying is carried out along the centre line and upstream side and as well as downstream side of the bund.

The New tank project work deals with alignment of centre line of proposed bund, capacity survey and canal alignments. Proposed new tank project will help in irrigation more fields, which in turn will improve the living conditions of the Mijar.

The water supply and sanitary work includes the surveying carried along the road side. Levels are taken at regular intervals and nearby permanent structures. To know the rate of demand of water forecasting population was determined. The dimensions of the water tank are determined, key map is plotted.

The overall project is very much beneficial to get knowledge of irrigation project, water supply and highway project and for the future development of the Mijar.

EXTENSIVE SURVEY PROJECT

A Report submitted in partial fulfilment for the award of

Bachelor of Engineering

(Civil Engineering)

By

BATCH 5

AKARSH K (4AL18CV004)

ARVIN YUMNAM (4AL18CV010)

M SANJAY (4AL18CV017)

NITESH S NAIK (4AL18CV027)

SHEETAL P TALAKERI (4AL18CV036)

SUNIL (4AL18CV045)

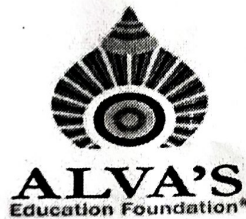
ASRAR UL FAYAZ BHAT (4AL19CV401)

MOHAMMED RAIHAN (4AL19CV407)

SUSHANTH J BUNGERA (4AL19CV413)

BASAVANAGOUDA M H (4AL17CV008)

DEPARTMENT OF CIVIL ENGINEERING

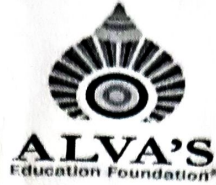


**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225
KARNATAKA, INDIA
TO**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI-590014
KARNATAKA, INDIA
2020-21**

EXTENSIVE SURVEY PROJECT



ALVA'S EDUCATION FOUNDATION

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225**

KARNATAKA, INDIA

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the project work entitled "Extensive Survey Project" is the bonafide work carried out by

AKARSH K (4AL18CV004)

ARVIN YUMNAM (4AL18CV010)

M SANJAY (4AL18CV017)

NITESH S NAIK (4AL18CV027)

SHEETAL P TALAKERI (4AL18CV036)

SUNIL (4AL18CV045)

ASRAR UL FAYAZ BHAT (4AL19CV401)


MOHAMMED RAIHAN (4AL19CV407)


SUSHANTH J BUNGERA (4AL19CV413)

BASAVANAGOUDA M H (4AL17CV008)

In partial fulfilment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all correction and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.


Mr. Shankargiri
Guide


Mr. Surendra P
Camp officer


Dr. H Ajith Hebbar
HOD

H.O.D.
Dept. of Civil Engineering
Alva's Institute of Engg. & Tech.
Mijar, Moodbidri - 574 225

SYNOPSIS

This Extensive survey work involves the investigation surveying, planning and design work.

The highway project includes the suitable and economical alignment of the road. Designs of various elements along the road such as vertical curves, thickness of pavements etc. are considered.

The old tank project includes the restoration of existing bund. The upstream side of the bund is silted and the catchment area is reduced. Surveying is carried out along the centre line and upstream side and as well as downstream side of the bund.

The New tank project work deals with alignment of centre line of proposed bund, capacity survey and canal alignments. Proposed new tank project will help in irrigation more fields, which in turn will improve the living conditions of the Mijar.

The water supply and sanitary work includes the surveying carried along the road side. Levels are taken at regular intervals and nearby permanent structures. To know the rate of demand of water forecasting population was determined. The dimensions of the water tank are determined, key map is plotted.

The overall project is very much beneficial to get knowledge of irrigation project, water supply and highway project and for the future development of the Mijar.

EXTENSIVE SURVEY PROJECT

A Report submitted in partial fulfilment for the award of

Bachelor of Engineering

(Civil Engineering)

By

BATCH 6

AKASH PATIL (4AL18CV005)

BASANAGOUDA (4AL18CV011)

MANJUNATH G Y (4AL18CV018)

RANJAN RAO (4AL18CV031)

SHILPA NAIK (4AL18CV037)

SUPREETH V (4AL18CV046)

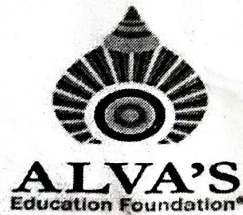
FAIZANA ISHAQ (4AL19CV402)

NAGABHUSHANA K R (4AL19CV409)

SWATI (4AL19CV414)

BHUSHAN S (4AL17CV012)

DEPARTMENT OF CIVIL ENGINEERING

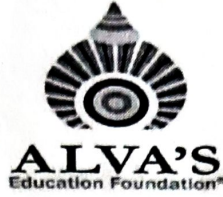


**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225
KARNATAKA, INDIA
TO**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI-590014
KARNATAKA, INDIA
2020-21**

EXTENSIVE SURVEY PROJECT



ALVA'S EDUCATION FOUNDATION

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MIJAR-574225

KARNATAKA, INDIA

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the project work entitled "Extensive Survey Project" is the bonafide work carried out by

AKASH PATIL (4AL18CV005)

SUPREETH V (4AL18CV046)

BASANAGOUDA (4AL18CV011)

FAIZANA ISHAQ (4AL19CV402)

MANJUNATH G Y (4AL18CV018)

NAGABHUSHANA K R (4AL19CV409)

RANJAN RAO (4AL18CV031)


SWATI (4AL19CV414)


SHILPA NAIK (4AL18CV037)

BHUSHAN S (4AL17CV012)

In partial fulfilment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all correction and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.


Mr. Ramesh Rao B
Guide


Mr. Surendra P
Camp officer


Dr. H. A. Jith Hebbar
HOD

H.O.D.
Dept. of Civil Engineering
Alva's Institute of Engg. & Technology
Mijar, Moodbidri - 574 225

SYNOPSIS

This Extensive survey work involves the investigation surveying, planning and design work.

The highway project includes the suitable and economical alignment of the road. Designs of various elements along the road such as vertical curves, thickness of pavements etc. are considered.

The old tank project includes the restoration of existing bund. The upstream side of the bund is silted and the catchment area is reduced. Surveying is carried out along the centre line and upstream side and as well as downstream side of the bund.

The New tank project work deals with alignment of centre line of proposed bund, capacity survey and canal alignments. Proposed new tank project will help in irrigation more fields, which in turn will improve the living conditions of the Mijar.

The water supply and sanitary work includes the surveying carried along the road side. Levels are taken at regular intervals and nearby permanent structures. To know the rate of demand of water forecasting population was determined. The dimensions of the water tank are determined, key map is plotted.

The overall project is very much beneficial to get knowledge of irrigation project, water supply and highway project and for the future development of the Mijar.