



To,
State Project Director
KCG (RUSA)
Ahmadabad

Subject: - Submission of Institute Development Grant Plan (IDP)

Ref: - 1) Your latter no SNO/RUSA/IDP/2023/2552 dated 07/01/2023

2) Your latter no SNO/RUSA/IDP/2023/2085 dated 31/01/2023

3) Your latter no યુજ્સી/IDP/32587/2025 dated 24/12/2025

Respected Sir,

With reference to the above mentioned subject & latter I am sending herewith Submitted the Institute Development Grant Plan (IDP) grant for our College. The Plan outlines our vision and mission for the upcoming years and provides a comprehensive roadmap for achieving goals for better implementation of NEP- 2020.

Thanking You

Yours Faithfully

Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.



INSTITUTIONAL DEVELOPMENT PLAN (IDP)

UNDER NEP 2020



Ballubhai Krishnlal Majmudar Science College
Dr Monghabhai Desai Vidhyasankul, Shri Morarji Desai Nagar,
P.B No 89, Tithal Road Valsad - 396001



DEPARTMENT OF HIGHER EDUCATION
GOVERNMENT OF GUJARAT

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Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.

Vision and Mission

Describe the institution's vision for its future - the institution's expectations for its future self, embodying where the institution wants to be.

VISION

The Ballubhai Krishnjal Majmudar Science College in Valsad was founded in 1957 with the intention of advancing high standards of education in the neighborhood. The College wants to provide students with the best and most rewarding learning environment possible so they can achieve their academic and athletic goals. The College places a high priority on encouraging students' professional and personal growth in order for them to efficiently meet social requirements and forge themes as a part of society.

Students who receive a high-quality education here will be able to succeed not just in their personal lives but also as responsible and deserving citizens of their nation. When doing this, attention is placed on the students' moral and spiritual development as well as gender justice with the goal of fostering a positive social atmosphere. In addition to these benefits, the institution can foster harmony and cooperation among local residents of all castes, communities, and religions.

Vision of the college is to:

- To be a centre of academic excellence for the pursuit of science education
- Foster personal and professional growth for all students through science
- To nurture, inspire and mould youth.
- To inculcate facilities in the area research and development.

Describe the overall mission and purpose of the institution.

MISSION

The primary goal is to give students access to high-quality higher education. In addition to classroom contact, frequent seminars, group discussions, and other extracurricular events are organized to achieve this.

Young minds are being worked on to foster a scientific temperament and instill humanitarian principles. With various skill development programmes, emphasis is placed on the holistic development of the students as well as on raising their knowledge of social issues.



Mission of the college is to:

- To impart quality science education for all dimensional growth
- To equip students with knowledge and skill.
- To excel in all area of teaching and learning.
- To develop leaders in the field of science and technology

INSTITUTIONAL BASIC INFORMATION

Institutional Identity:

- Name of the Institution: **Ballubhai Krishnjal Majmudar Science College Valsad**
- Type of Institution: **Grant In Aid**
- Category: Co-education/ Girls: - **Co-education**
- Location: (urban / rural):- **Rural**
- Website Address of the College: **<https://bkmscience.ac.in/>**
- Name of Head of Institution and Project Nodal Officers

Head and Nodal Officer	Name & Department	Mobile Number	E-mail Address
Principal(I/C)	Dr T G.Gohil	9825510246	bkmscience@yahoo.com
IDP, Coordinator	Prof. R R.Solanki	9879590687	rsrsolanki1@gmail.com

Establishment Details:

Sl. No.	Establishment Details	
1	Year of establishment	1957
2	Name of University to which Affiliated	Veer Narmad South Gujarat University, Surat
3	Year of Permanent Affiliation	1981
4	Year of Temporary Affiliation	----



NAAC Accreditation:

	Date of Application	Date on which accreditation was received	Grade	Valid till
1 st Cycle	3rd May 2004	3rd May 2004	B
2 nd Cycle	17th March 2016	17th March 2016	B	16th March 2021
3 rd Cycle	19th May 2023	19th May 2023	B+	18th May 2028

Students' Profile:
Academic Information for 2022-2023

Sl. No.	Stream(Science / Commerce/Arts)	Level (UG, Diploma, PG)	Course name (Hons / pass wise)	Duration (Years)	Sanctioned annual Intake
1	Science	UG & PG	B.Sc & M.Sc	3 Year	1540

No of Class Room in the College:

Seating capacity	50 capacity	120 capacity	150 capacity	200 capacity
No of class room	03	04	03	02

Library:

Sl. No.	Parameters	No of books	
1	Total number of text books and reference books available in library for students (approx.)	Textbooks	8456
		Reference	17621
		Total	26077

Reading Room:

Reading room	Sitting Capacity
Reading room-1	80



First Aid Box and Functional fire Extinguisher Facilities:

First Aid box available		Functional fire extinguisher		
Principal Room (Y/N)	Any other location (Y/N) If Y, mention location	Principal's chamber/ Office/Class Room/ Corridor	Near Main Electrical switch Board(Y/N)	Library (Y/N)
Yes	Office, Teacher Common Room, Boys and Girls common Room	Yes	Yes	Yes

Hostels (Boys)

Sl. No.	Parameters	Specify details
1	Does the college/Institute have Student Hostel (Yes/No)	No
2	If Yes, Number of Hostels	NA
3	Hostel-wise Intake Capacity	NA
4	Hostel-wise Present students strength	NA
5	No. of ST students among sl.no 4 above	NA
6	No. of SC students among sl.no 4 above	NA
7	No. of differently abled students among sl.no 4 above	NA
8	Facilities(Common room, Food, Games & Sports, Reading room etc.)	NA
9	Hostel accommodation fees per month	NA
10	Hostel mess fees per month	NA
11	Mess management (fully by students/ fully by college admin/ both)	NA
12	Are the hostels accessible to differently able students?	NA
13	No of toilets in Boys Hostel	NA
14	No of urinals in Boys Hostel	NA
15	No of bathrooms in Boys Hostel	NA
16	No of drinking water facility in Boys Hostel	NA
17	Furniture provided to students (cot/ table/ book shelf)	NA
18	Electricity connection available (Y/N)	NA
19	fire Extinguisher: Y/N	NA
20	first aid box available: Y/N	NA
21	No of drinking water points available:	NA



Hostels (Girls)

Sl. No.	Parameters	Specify details
1.	Does the college/Institute have Student Hostel(Yes/No)	Yes
2.	If Yes, Number of Hostels	01
3.	Intake Capacity	75
4.	Present students strength	72
5.	No. of ST students among sl.no 4 above	
6.	No. of SC students among sl.no 4 above	
7.	No. of differently abled students among sl.no 4 above	00
8.	Facilities(Common room, Food, Games & Sports, Reading room etc.	Yes
9.	Hostel accommodation fees per month	6000
10.	Hostel mess fees per month	
11.	Mess management (fully by students/fully by college admin/ both)	Fully by Trust
12.	Are the hostels accessible to differently able students?	Yes
13.	No of toilets in Girls Hostel	15
14.	No of urinals in Girls Hostel	15
15.	No of bathrooms in Girls Hostel	15
16.	No of drinking water facility in Girls Hostel	Yes
17.	Furniture provided to student (cot/ table/ book self)	Yes
18.	Electricity connection available(Y/N)	Yes
19.	No of fire Extinguisher exist:	Yes
20.	No of first aid box available:	Yes
21.	No of drinking water facility available:	Yes

Toilet/ Urinal Facility in the College

Facility	Number for Boys	Number for Girls
Closets	00	00
Urinals	03	02

Drinking Water Facility in the College

Sl. No.	Drinking water with purifier	No of Taps	Capacity in liters
1	Yes	06	1000 Liters



SWOC Analysis

Ballubhai Krishnjal Majmudar Science College, Valsad

Strength:

An introspective scrutiny of the overall evaluative reports included in the SSR shifted the below listed strengths, weaknesses, opportunities and challenges to be met.

- College is offering co-education in science stream of backward area students which is situated in the prime location of Valsad district.
- Accredited by NAAC.
- IQAC involvement in planning, execution and monitoring of all academic activities.
- Possesses 62 acres of land which comprises sprawling campus, academic buildings and play ground.
- Adequate and excellent infrastructural facilities with campus broad band and having sufficient number of classrooms with Wi-Fi and ICT facility and well equipped laboratories.
- The botanical garden of the institute has a variety of trees and rare plants. There are more than 12000 trees and more than 40 plants of medicine, demonstrative plot, bio and vermin compost unit, water harvesting unit, mushroom cultivation unit, green house and Polly house etc.
- E-learning centre with a herbarium house
- Chemistry Research lab
- Well maintained girls and Boys hostel in the campus.
- Diversified courses; B.Sc. program with 4 subject combinations, 3 subject in Post Graduate and Ph.D in Chemistry and Botany subject.
- Qualified and experienced faculties -19 doctoral and 05 M.Phil degree holders.
- Constant evaluation and practical based learning
- A separate building for Library enabled with INFLIBNET facility and a rich collection of books CDs, software, e-resources, journals, periodicals.
- The best research culture amongst faculties and students. Good number of research paper publications and paper presentations by faculty and students.
- Excellent results with good number of academic merits in UG and PG
- Active participation of staff in different events organized by various NGOs.
- Experienced, dedicated and competent technical and non-teaching staff.
- 20 % of the teachers are research supervisors.
- Good number of extension activities.
- Facility for sports, and cultural activities.
- Coaching is provided for competitive exam.
- Adequate contribution of stake holder towards the overall development of the college
- Campus with CCTV surveillance and intercom facility.
- Co operative management



- An active Placement Cell
- Four active units of NSS which train students to work for societal issues.
- Experiential learning for students with regular arrangement of educational tours.
- Industrial visits and laboratories, field trips etc. and lecture Series for the students' welfare.
- Well disciplined campus and student centric learning atmosphere.
- A supportive, encouraging and inspirational parent management.

Weakness:

Lack of local Industrial collaborations.

- Meager funding by the state government.
- Curriculum is not in the purview of the institution.
- Shortage of teaching and non-teaching staff because of state government's policies.
- Lack of flexibility in the courses taught due to being an affiliated college.
-

Opportunity:

- To enhance consultancy, collaboration and MOU at wider level
- To create platform for more job opportunities for science graduates.
- To emerge as a science centre in the region.
- to create comprehensive training for various competitive exams

Challenges:

Long term sustenance of quality and excellence.

- Adaption to technological changes with respect to online learning environment.
- To bridge the gap between the industrial demand and curriculum
- To improve communication skill of the rural students.
- Linkages with industries from outside the region.
- To attract brilliant students towards basic sciences.
- To offer skill based courses for self reliant and job opportunities.
- To create more opportunities for placement in civil and other services



Specific objectives and Expected results of proposed.

Specific objectives:-

To engage in multidisciplinary research work.

- To enhance consultancy, collaboration and MOU at wider level.
- To create platform for more job opportunities for science graduates.
- To emerge as a science centre in the region.
- to create comprehensive training for various competitive exams



NEED ASSESSMENT

Academic Administration:

1	Whether detailed lesson plans are given to students?	Yes
2	If yes, Is the lesson plan followed strictly?	Yes
3	What type of monitoring system is followed for completing course within set Time frame?	Extra Classes & Remedial Classes
4	What type (monthly, quarterly, biannually, annually) of attendance management system is followed in the institute? What is the method of intimation to Faculty/students?	Manual Notice board & Through Whatapps group
5	What type of feedback system is used for appraising the performance of faculty members? a. 360 degree b. Students' feedback c. Self-appraisal d. CCR	Google Feedback Form
6.	Is the rating communicated to teachers for improvement?	Yes

Infrastructural Development & Maintenance:

SL No	Describe	
1	What type of expansion work is required for existing Infrastructure? Is own land available for this?	Additional Class rooms, Chemistry, Physics & Botany & Research Laboratory Yes
1(a)	Are men and women hostels adequate as per demand? If expansion required, is own land available?	Yes Yes
1(b)	Are men and women toilet blocks adequate as per demand? If expansion required, is adequate space available?	No Yes
2	What type of modernization / renovation works are needed for existing infrastructure? (Laboratories, Library, hostels etc.)	To be well furnished digital class rooms, MOOC Studio, Computer Lab, Skills Development Lab, drinking water facility, sports equipment, Library books etc.
3	What type of infrastructural development work required for non- academic area for the institution (toilets, girls common room etc.)	Toilets & new boys common room are required



4	What type of infrastructural development work is needed for making them accessible for differently-abled students?	Physically Challenge Toilet, smooth connectivity from hostel to college building
5	Does the institute maintain the academic and non-academic infrastructure areas?	Yes
6	What are the monitoring mechanisms followed for maintenance?	Staffs are engaged for maintenance.

Effective Institutional Governance:

Sr. No.		
1	Does the institution have duly constituted governing body? a. If yes, has it been approved? b. How frequently the Governing body meets? Yearly Biannually More times, as and when required	Yes approved As and when required
2	Does the institution have E-Governance project (ERP & MIS) implemented?	Yes
3	How record keeping and data management is done in the institute?	Manually, Online
4	What type of library management system is there in the institute?	Software & Manual
5	What type of financial management and accounting system is followed in the institute?	Manually
6	Does the institute have its own active website? If yes, mention web address	https://www.bkmscience.com/

Manpower Management:

Sl. No.	Describe	
1	Does the institute have adequate and skilled manpower (both teaching and non- teaching)	For Teaching – Yes For Non Teaching - No
2	Does the institute have a grievance redressal mechanism? Do they represent all the stakeholders? Specify. a. For Staff b. For Students	Yes Both
3	What type of staff engagement practices (academic, behavioral & organizational) are followed in the institute? a. Regular training b. Counseling on Performance c. Any other. Please specify	Regular Training Counseling on Performance



Research & Development:

Sl. No.	Describe	
1	What are the research initiatives taken by the institute?	No
2	Have the institute identified the thrust areas for research work in the institutes? If yes, Please mention the areas	No
3	How does the institute facilitate the project funding, from Sources like: (UGC/AICTE/ICSSR/CSIR/DBT/DST etc.)	No
4	Has the institute handled Inter disciplinary Project?	No
5	Has the institute worked on student Research project?	No
6	Has the institute measured the growth in research and development through participation and contributions in International/ National Conferences, Seminars, Symposiums, Workshops, and initiation of academic exchange programs? If yes, give details.	
7	What type of facilities and incentives are provided to faculty members to manage the research work after getting the Funding?	No

Monitoring and Evaluation:

Sl. No.	Describe	
1	Does the present administration, academic and financial System needs monitoring and development for flawless implementation?	Yes
2	Does the institute have IQAC cell? If yes, State the major functions of the cell.	Yes Working on quality improvements
3	Give details of number of meetings held by IQAC for last 3 years.	07
4	Does the institute conduct the followings: a. Academic Audit b. Energy Audit c. Green Audit d. Financial Audit e. Administrative Audit	Academic Audit, Financial Audit, Administrative Audit
5	Mention the audits last done:	2024-25



Supporting Students from Disadvantaged Backgrounds:

Sl. No.	Describe the particular needs of your students by answering the following questions:	
1	What is the academic/skill training support that students may need for improving employability?	Communication Skill Course, Life and Soft Skills, Computer courses / IT Literacy
2	Do all students wanting hostel accommodation get it on priority from the 1 st year onwards?	NA
3	What is the academic/skill training support that SC/ST students may need for improving employability?	For giving extra class and training through MOOC studio/ recorded lectures, Communication Skill Course, Life and Soft Skills training
4	Do all SC/ST students wanting hostel accommodation get it on priority from 1 st year onwards?	NA



PLANNING AND EXECUTION STRATEGY

After consultation with many parties, including students, parents, the governing body, alumni, well-wishers, etc., strategic goals must be developed.

The institution's strategic goals will be created based on a SWOC analysis.

The following lists a few such objectives.

Strategies Plan for institutional development based on SWOT analysis

1. To enhance the quality of courses currently offered but making them more relevant, skill focused and responsive to the demands of the employment industry and to introduce Add on courses to Improve employability of the students.
2. Establish new infrastructure & improve the existing infrastructure.
3. To make teaching learning process more effective by Adding more smart classrooms, MOOC Studio, Skills Lab, Blended learning - MOOCS & Digital recording Studio, ICT integrated teaching for faculty in innovative teaching methodology.
4. Improve social responsibility and awareness in the students by pushing for more collaborative interaction between agencies working with a social concern.
5. Plan for increasing revenue sources, maintenance of assets, pro-environmental initiatives, social / community engagement etc.,
6. Improving communication with key stakeholders such as parents, alumni, local leaders, industries, etc.,
7. Improving the faculty competency in terms of academic proficiency, communication skills, administrative capacity etc.,



Execution Plan Goal:

Activity 1: Timely conduct of classes to complete syllabus.

Improvement Plan: Digital Classrooms are proposed under the project. Guest Faculty/Contractual Faculty will be engaged under the project.

Activity 2: Monitor weak / backward students and provide additional academic support.

Improvement Plan: Faculties are taking remedial classes in order to enhance the compatibility of the students in the particular subjects.

Activity 3: Ensuring access to library books and Computer Lab

Improvement Plan: Computer labs and computers are proposed under the project. Lab and Library will be kept open during college hours and students motivated to use them.

Activity 4: To provide placement opportunities for promoting employment.

Improvement Plan: To establish Skills lab to provide entrepreneurship and employability skills training. Opening of placement cell in the college.

-Liasoning with local Industries.

-Providing training to the students through different types of Agencies like Banking guide, DIC, MSME and rural self-employment Training.

Activity 5: Improving communication with key stake holders such as parents, alumni, industries and local Leaders.

Improvement Plan: Periodic meeting of parents, students and teachers.

-Periodic meetings by inviting carrier guide for guiding the students for different carrier opportunities.

Activity 6: Monitoring the students and faculty for effective Learning outcomes.

Improvement Plan: Introduction of daily performance report.

Activity 7: Collection for revenue sources

Improvement Plan: Collection of student fees for Industries visit, Language Enhancement/ Improvement course, etc.



Budget plan (Rs. in Crore)

Sl. No.	List of Activities	Specify	Estimated Cost (Rs. In Crore)	Detail Project Report attached
1.	Modernization and strengthening of laboratories and Class rooms contractual technicians' recruitment	Lababoratries 4 Class rooms 8 with full furnished Staffroom and Toilet block	15.78	Yes
2.	Renovation of existing infrastructure	Girls Hostel ,Classrooms & Old Laboratories	2.29	Yes
3.	Concrete Road in college campus	Concrete Road 400*25 & 250*60 25000 sq feet * 450 Rs.	1.12	Yes
4.	Establishment of new laboratories	Computer Lab with furniture and acoustic	0.35	Yes
5.	MOOCS & Digital recording Studio	For Blended Learning	0.20	Yes
6.	Books, E books & Journal	CBCS, NEP 2020	.20	Will be submits
7.	Development of communication skill training	Establishment of Skills Lab	0.47	Yes
8.	Laboratory equipment	Chemistry, Botany, Physics, Zoology	1.13	Yes
9.	Drinking water	RO Plant	0.8	Yes
10.	Sports equipment	Volley Ball, Cricket, Badminton, etc	0.04	Yes
11.	Modernization of classrooms	Digital / Smart Class rooms (8)	0.40	Yes
12.	CCTV Cameras	To cover whole campus and classes	0.13	Yes
13.	Engagement of Guest Faculty		.05	Will be submits
14.	Training for Faculty (including pedagogical training, administrative, academic matters) and Non-teaching staff		.05	Will be submits
15.	Training for students (specify type of training)	Entrepreneurship and Employability Skills training	.05	Will be submits
16.	Environment, Health & Safety related activities/ items	Tree Plantation, Awareness for Health & Safety	.10	Will be submits
17.	Skill development programs		.05	Will be submits
18.	Others(specify)	Roof Solar panel	.43	Yes
19.	Others(specify)	Lawn Tennis Court	.12	Yes
			Total 23.76	

Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.



Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.



Name of Work

Construction of B.K.M Science College Building at Valsad

Block Estimate Amount

Rs. 15,77,79,640.00



Name of Work:-

Construction of B.K.M Science College at Valsad

RECAPITULATION SHEET

Sr No.	Estimates	Unit	Net Amount Rs.
1	College Building	Rs.	10,72,13,500.00
2	Borewell	Rs.	5,00,000.00
3	External Sanitary	Rs.	5,00,000.00
4	Rain water Harvesting	Rs.	5,00,000.00
5	Fire Fighting System	Rs.	10,00,000.00
			10,97,13,500.00
6	Add 1% Quality Control Testing Charges	Rs	10,97,135.00
7	Add 3% W.C and Contingency Charges	Rs	32,91,405.00
	Lump Provision		
8	Electrification work 15%	Rs	1,69,77,600.00
9	Generator, Electric connection charges	Rs	20,00,000.00
10	Furniture Work	Rs	2,00,00,000.00
11	Consultancy and TPI charges LS	Rs	10,00,000.00
12	Survey, Investigation, Estimate and DTP work etc	Rs	5,00,000.00
13	Water supply, Gase, drainage Connection charges	Rs	5,00,000.00
14	CCTV surveillance system, Horticulture, Solar System & Remaining other all type of utility charges etc	Rs	20,00,000.00
15	For Inauguration work	Rs	7,00,000.00
	Total	Rs	15,77,79,640.00




Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.

BHARGAV DESAI
B. ARCH, CA / 97 / 21430,
A. I. I. A. - 12814
SRT/CCIT/OSD/34AB/rv-34/2004-05
I.O.V. - A. I. V. No. A-29682



UNIQUE DESIGNERS

REGISTERED ARCHITECT
GAZETTED VALUEUR
INTERIOR DESIGNER

PERMANENT ACCOUNT NO.: AARPD9147L
GST No. : 24AARPD9147L1Z8

Head Office : Vithalbhai Patel Road, Near Ramji Tekra, Ramji Mandir, Valsad - 396 001. M.98242 33008

E-mail : uniquedesigners@rediffmail.com • uniquedesigners67@gmail.com

Surat Office : I-302, Nakshatra Embassy, Near Shavion Circle, New Gauravpath Road, Surat-395009. / 316, Third Floor, Oberon, Bharthana - Vesu, Surat.

Vapi Office : 223/224, 2nd Floor, Heena Arcade, GIDC Char Rasta, Vapi - 396 191.

Abstract Sheet

NAME OF WORK :- Estimate of Class Rooms & Laboratories @ B.K.M. Science College Bldg. Valsad
(Ground Floor+1st Floor+2nd Floor +3rd Floor)

AT:Tithal Road, Valsad,Gujarat - 396001

For: Shree Nootan Kelavani Mandal (Campus Office)

S.O.R.2023-24

SUMMARY

1	Civilcost of construction as per Current Schedule of PWD Rates	Rs.	96380382.03
2	Contingencies @ 7% of the civil work [including services]	Rs.	6746626.74
3	Quality Control @ 1% of the civil work	Rs.	963803.82
4	Architect's Fees @ 3% of the total Estimated Cost Of Building [including services, contingencies, but excluding cost of furniture]	Rs.	3122724.38
5	Total Estimated Cost Of Building	Rs.	107213536.97 Say Rs.10,72,13,500/-

(Say Rupees Ten Crore Seventy Two Lac Thirteen Thousand Five Hundred Only/-)

FOR UNIQUE DESIGNERS

ARCHITECT

Principal, (U/c.)
B.K.M. Science College,
Valsad, Gujarat, India.



Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.

BHARGAV DESAI
 B. ARCH, CA / 97 / 21430,
 A. I. I. A. - 12814
 SRT/CCIT/OSD/34AB/rv-34/2004-05
 I.O.V. - A. I. V. No. A-29682



UNIQUE DESIGNERS

REGISTERED ARCHITECT
 GAZETTED VALUEUR
 INTERIOR DESIGNER

PERMANENT ACCOUNT NO.: AARPD9147L
 GST No. : 24AARPD9147L1Z8

Head Office : Vithalbhai Patel Road, Near Ramji Tekra, Ramji Mandir, Valsad - 396 001. M.98242 33008

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Surat Office : I-302, Nakshatra Embassy, Near Shavion Circle, New Gauravpath Road, Surat-395009. / 316, Third Floor, Oberon, Bharthana - Vesu, Surat.

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Abstract Sheet

NAME OF WORK :- Estimate of Class Rooms & Laboratories @ B.K.M. Science College Bldg. Valsad
 (Ground Floor+1st Floor+2nd Floor +3rd Floor)

AT:Tithal Road, Valsad,Gujarat - 396001

For: Shree Nootan Kelavani Mandal (Campus Office)

S.O.R.2023-24

SUB ESTIMATE

[A] Work Below Plinth	RS.	5454077.06
Work Above Plinth	RS.	
[B] Brickwork,Plaster & Colour	RS.	8950043.22
[C] R.C.C. Work	RS.	48498995.36
[D] Wood Work	RS.	750107.45
[E] Flooring, Dedo & Water Proofing	RS.	10783120.61
[F] Wrout Iron Work	RS.	6074738.96
[G] Alluminium Section Window	RS.	1616734.29
[H] Water Supply, Plumbing and Sanitary fittings	RS.	446565.09
[I] Electrification	RS.	306000.00
[J] Furniture	RS.	10000000.00
[K] Fire Safety	RS.	2500000.00
[L]Water Harvesting	RS.	1000000.00
TOTAL CIVIL COST	RS.	96380382.03


 Principal, (I/c.)

B.K.M. Science College,
 Valsad, Gujarat, India.

FOR UNIQUE DESIGNERS


 ARCHITECT




 Honorary Secretary
 Shree Nootan Kelavani Mandal
 Valsad.



Head Office : Vithalbhai Patel Road, Near Ramji Tekra, Ramji Mandir, Valsad - 396 001. M.98242 33008

E-mail : uniquedesigners@rediffmail.com • uniquedesigners67@gmail.com

Surat Office : I-302, Nakshatra Embassy, Near Shavion Circle, New Gauravpath Road, Surat-395009. / 316, Third Floor, Oberon, Bharthana - Vesu, Surat.

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Abstract Sheet

**NAME OF WORK :- Estimate of Class Rooms & Laboratories @ B.K.M. Science College Bldg. Valsad
 (Ground Floor+1st Floor+2nd Floor +3rd Floor)**

AT:Tithal Road, Valsad,Gujarat - 396001

For: Shree Nootan Kelavani Mandal (Campus Office)

S.O.R.2023-24

S.No:	Description	Quantity	Rate	Units	Amount in Rs.
1	[A] Work Below Plinth Excavation for foundation up to 1.5 mt depth including sorting out of stacking of useful materials & disposing off the excavated stuff up to 50 mt lead. [b] Dense or Hard soil. [Item Code :04001B, Item No.0] pg.46]	1196.96	148.19	C.Mt.	177377.50
2	Excavation for fundation up to 1.5 to 3 mt depth including sorting out of stacking of useful materials & disposing off the excavated stuff up to 50 mt lead. [b] Dense or Hard soil . [Item Code :04002B, Item No.0] pg.46]	1169.96	160.77	C.Mt.	188094.47
3 (i)	Filling available excavated earth [excluding rock] in trenches Plinth sides of foundation etc. comp in layers not exceeding 20.0cm in depth consolidating each deposited layer by ramming & watering. [Item Code :4006, Item No.4.12] pg.48]	579.53	129.10	C.Mt.	74817.32
3 (ii)	Filling in foundation & Plinth with brick bats /chhara in layers of 20cm. Thickness including watering ramming & consolidating etc comp. [Item Code :04009A, Item No.0] pg.48]	1096.57	594.61	C.Mt.	652031.49
4	Providing & Laying cement concrete 1:3:6 [1cement 3 coarse sand 6 hand broken stone aggregate 40 mm nominal size] &curing comp. excluding cost of form work in (A) foundation &plinth [Item Code :05003A, Item No.5.3.2] pg.52]	66.60	2976.00	C.Mt.	198201.60
5	Providing & Laying controlled cement concrete work M-200 exposed work with curing etc. complete inclg. the cost of form work and Reinforcement for reinforced concrete work in.. (A) Foundations. footings, base of column & Mass.concrete)] [Item Code :05024AA, Item No.5.8.2] pg.56]	390.32	3977.88	C.Mt.	1552646.12
6	Brick work using common brunt clay building bricks having crushing strength not less then 35 kg/sq cm. in foundation & plinth in cement mortar (1:6 fine sand) (b) Conventional [Item Code :06002BA, Item No.6.13] pg.70]	166.82	3981.21	C.Mt.	664145.45
7	Providing & laying brick bat cement concrete 1:3:6 (1cement 3 coarse sand 6 Graded brick bat aggregate 40 mm nominal size) & curing complete excluding cost of form work in (a) Foundation & Plinth (p to 10 ton) [Item Code :05007A, Item No.5.3.2] pg.52]	200.59	2956.44	C.Mt.	593032.30





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Abstract Sheet

NAME OF WORK :- Estimate of Class Rooms & Laboratories @ B.K.M. Science College Bldg. Valsad
 (Ground Floor+1st Floor+2nd Floor +3rd Floor)

AT:Tithal Road, Valsad,Gujarat - 396001

For: Shree Nootan Kelavani Mandal (Campus Office)

S.O.R.2023-24

8	20 mm thick sand faced cement plaster on walls up to height 10 meters above ground level consisting of 12mm. thick backing coat of C.M (1: 3) 1 cement :3 sand) 8mm thick finishing coat of C.M 1:1 (1 cement : 1 sand) etc.complete . [Item Code :17009, Item No.17.95] pg.130]	397.96	297.68	S.Mt.	118464.73
9	Providing & Laying controlled cement concrete work M-200 exposed work with curring etc. complete inclg. The cost of form work but excluding the cost of reinforcement for R. C. C. work in (B) COLUMNS : (ii) Having cross sectional area more than 0.08 sq.mt and up to 0.18 sq.mt [Item Code :05033B2, Item No.0] pg.63]	26.52	12452.80	C.Mt.	330248.26
10	Providing & Laying controlled cement concrete work M-200 exposed work with curring etc. complete inclg. The cost of form work but excluding the cost of reinforcement for R. C. C. work in (A) BEAM : (ii) Having cross sectional area more than 0.08 sq.mt and up to 0.12 sq.mt [Item Code :05033A2, Item No.0] pg.62]	69.07	9392.03	C.Mt.	648707.51
11	Brick work using common brunt clay building bricks having crushing strength not less than 35 kg / sq .Cm. In foundation & plinth in cement mortar 1:6 (1 cement 6 fine sand) (b) Conventional [Item Code :06002BA, Item No.6.13] pg.70]	64.38	3981.21	C.Mt.	256310.30

Total [A] 5454077.06

Work Above Plinth [B] Brickwork,Plaster & Colour					
1	Brick work using common brunt clay building bricks having crushing strength not less than 35 kg / sq .Cm. In foundation & plinth in cement mortar 1:6 (1 cement 6 fine sand) (b) Conventional [Item Code :06002BA, Item No.6.13] pg.70] Extra brick work in super structure above plinth level up to floor two level (b) Conventional [Item Code :06006B, Item No.6.19] pg.71]	1039.76	3981.21 272.25 4253.46	C.Mt. C.Mt. C.Mt.	4422577.57
2	Half Brick Masonry in common brunt clay building bricks having crushing strength not less than 35 kg /sq.mt in cement mortar 1:4 (1Cement :4Coarse sand) in founation &plinth. (b) Conventional [Item Code :06008A2A, Item No.6.3] pg.72] Extra for half brick Masonry in super structure above plinth level up to floor two level (b) Conventional [Item Code :06010B, Item No.6.32] pg.74]	0.00	593.90 52.80 646.70	S.Mt. S.Mt. S.Mt.	0.00
3	Providing 15mm thick cement plaster in single coat on rough (Similar) side of single or half brick wall for interior plastering up to floor two level finished even & smooth in. [(I) cement mortar 1 : 3 sand] [1 Cement 3 sand] [Item Code :17002A, Item No.17.6] pg.129]	10241.95	174.83	S.Mt.	1790600.12





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AT:Tithal Road, Valsad,Gujarat - 396001 For: Shree Nootan Kelavani Mandal (Campus Office)						
4	20 mm thick sand faced cement plaster on walls up to height 10 meters above ground level consisting of 12mm. thick backing coat of C.M (1: 3) 1 cement :3 sand) 8mm thick finishing coat of C.M 1:1 (1 cement : 1 sand) etc.complete . [Item Code :17009, Item No.17.95] pg.130]	4847.99	297.68	S.Mt.		1443149.66
5	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth. [Item Code :19032, Item No.-] pg.139]	10241.95	40.19	S.Mt.		411623.97
6	Distempeing (Two coats) with oil bound distemper of approved brand and manufacture and of required shade on wall surfaces to give an even shade, over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand papered smooth . [Item Code :18021, Item No.-18.44] pg.134]	10241.95	76.08	S.Mt.		779207.56
7	Colour washing with lime on wall surface (two coat) cover & including a primary coat of white washing to give an even shade after through brooming the surface to remove all dirt, dust, mortar, drops and other foreign matter. [Item Code :18007, Item No.18.17] pg.133] Extra over item 17 to 18 for every subsequent coat of Colour wash with lime on wall surface [Item Code :18009, Item No.18.19] pg.133]	5100.86	12.29 7.88 20.17	S.Mt.		102884.35
			Total	[B]		8950043.22
[C] R.C.C. Work						
8	Providing & Laying controlled cement concrete work M-200 exposed work with curring etc. complete inclg. The cost of form work but excluding the cost of reinforcement for R. C. C. work in (B) COLUMNS : (ii) Having cross sectional area more than 0.08 sq.mt and up to 0.18 sq.mt [Item Code :05033B2, Item No.0] pg.63]	165.38	12452.80	C.Mt.		2059444.06
9	Providing & Laying controlled cement concrete work M-200 exposed work with curring etc. complete inclg. The cost of form work but excluding the cost of reinforcement for R. C. C. work in (A) BEAM : (ii) Having cross sectional area more than 0.08 sq.mt and up to 0.12 sq.mt [Item Code :05033A2, Item No.0] pg.62]	297.14	9392.03	C.Mt.		2790747.79



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Abstract Sheet

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 (Ground Floor+1st Floor+2nd Floor +3rd Floor)**

AT:Tithal Road, Valsad,Gujarat - 396001

For: Shree Nootan Kelavani Mandal (Campus Office)

S.O.R.2023-24

10	Providing & Laying ordinary cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) 20mm nominal size for R.C.C Lintel including finishing smooth with curing etc. comp. including the cost of form work but excluding the cost of reinforcement . [Item Code :5030, Item No.0] pg.60]	912.28	8634.45	C.Mt.	7877036.05
11	Providing & laying ordinary cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) 20mm nominal size) and finishing smooth with curing etc. comp. Including the cost of form work but excluding the cost of reinforcement for R.C.C work in slab (iii) slabs having more than 10 cm. & upto 13cm. Thickness . [Item Code :05026C, Item No.0] pg.58]	5184.29	6819.95	C.Mt.	35356598.59
12	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) for reinforced concrete Chhajjas not exceeding 10cm. thickness upto floor two level including finishing the exposed surfaces with cement mortar 1:3 (1-cement, 3 Fine sand) to give a smooth and even surface centering and formwork and curing complete excluding cost of reinforcement. [Item Code :05012A, Item No.5.4.4] pg.54]	31.91	6487.07	C.Mt.	207002.40





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For: Shree Nootan Kelavani Mandal (Campus Office)						
13	Providing and laying cement concrete work 1:2:4 (1 cement 2 coarse sand 4 graded stone aggregates 20 mm nominal size) and curing complete excluding cost form work and reinforcement for reinforced concrete work in : (e) Staircase excluding landing upto floor two level. [Item Code :05011EA, Item No.5.4.1] pg.53] for additional lift of concret of all R.C.C. work above floor two level excluding cost of reinforcement. [Item Code :05015A, Item No.5.4.13] pg.54]	extra	4765.47	C.Mt.		
				39.85	C.Mt.	
				43.32	4805.32	C.Mt. 208166.46
				Total	[C]	48498995.36
14	[D] Wood Work Providing & fixing 35mm thick shutters for doors, windows & clearstory windows including Indian teak wood frames 10cm. x 7cm. Size including anodized Alluminium fixtures & fastenings including Primer coat or approved quality & two coats of oil painting etc, complete. (2) Fully paneled [Item Code :10030B, Item No.0] pg.87]		125.92	5285.45	S.Mt.	665543.86
15	Providing & Fixing FRPframe size 100 x 50 mm and 28 mm thick FRP depress panel shutter having extra reinforcement on sides and edges in gel coat finish. The core of the shutter & frame is to be filled up with injected fire retardant grade polyurethane foam done in situ along with embedded wooden piaces for stifferning and also taking hinges and fintures. The whole FRP frame and shutter is to be water proof, weather proof, termite proof and resistance to mild acid/alkali. Rates are to be inclusive of S.S.hinges with necessary screws and alluminium fixtures and fastenings and fastener sleeve. [Item Code :10037, Item No.--] pg.90]		35.92	2354.22	S.Mt.	84563.58
				Total	[D]	750107.45





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16	Providing & laying Ceramic tiles 6mm.thick in flooring treads of steps& landing laid on a bed of 12 mm thick cement motor 1:3 (1 cement 3 coarse sand) finishing with flush pointing in white cement. [Item Code :14008BA, Item No.-14.29(B)] pg.120]	200.63	960.47	S.Mt.	192699.10
17	Providing & laying white glazed tiles 6mm. Thick in skirting risers or steps & dedo on 10 mm thick cement plaster 1:3 (1 cement 3 coarse sand) and jointed with white cement slurry (up to 10 ton) [Item Code :14009AA, Item No.-14.32] pg.120]	1534.95	1044.23	S.Mt.	1602840.84
18	Providing and laying Vitrified tiles 8 to 10 mm thick, 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement. [Item Code :14008CA, Item No.-14.29(C1)] pg.120]	3654.44	1062.50	S.Mt.	3882842.50
19	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry [Item Code :14009CA, Item No.-14.32C1] pg.121]	1772.24	1130.15	S.Mt.	2002897.04
20	Constructing a cooking platform 60 cm. width and 70 cm high resting on B.B.Masonry walls 23 cm.thick in C.M.(1:6) with (i) Fixing black kadappa stone 30mm thick laid on precast R.C.C. (1:2:4) slab with plastering on exposed faces of wall in C.M. (1:4) etc complete. [Item Code :22004B, Item No.-0] pg.156]	96.00	1132.43	R.Mt.	108713.28
21	Granite Door & Window Frame ((Market Rate)(Not Available in S.O.R. Rate)	2093.16	800.00	R.Mt.	1674528.00
22	Providing & laying China Mosaic tiles water Proofing treatment on Terrace including (A) Applying Neat Cement Slurry 2.75 kg./Sq.mt. of cement mixed with proofing compound after cleaning the Surfaced (B) Laying Cement concrete sing brick bats 25 to 100 mm. size with 50% Cu.mt. 1:5 (1 Cement : 5 Coarse sand) and mixed with water proofing compound over 20mm.thick layer of C.M. 1:5 to required slope including rounding of junction of walls and slabs and after two days of proper curing applying a second coat of cement slurry (C) Finishing the surface with 20 mm. thick C.M. 1: 4 and China Mosaic Tiling and finally finishing the surface with trowel with white cement slurry (D) After finishing the whole terrace shall be flooded with water for a period of two weeks (As per R.A.)	1219.71	1075.00	S.Mt.	1311188.25
23	Providing cement vata (10cm x 10cm) quarter round in cement mortar 1:1 including neat cement finishing watering etc. Complete. [Item Code :17015 Item No.-0] pg.131]	316.06	23.45	R.Mt.	7411.61
			Total	[E]	10783120.61





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	[F] Wrout Iron Work				
24	Providing & fixing M.S. Grills of required pattern to wooden frames of windows etc. with M.S.flats at required spacings & frame alround, square or round bars with round headed bolts & nuts or by screws. (a) Plain grill. [Item Code :10025AA Item No.-10.1] pg.87]	15260.32	100.17	Kg.	1528626.25
25	Providing & fixing M.S. Fan clamps type 1 of 16mm dia .M.S. bar bent to shape with hooked ends to R.C.C slabs curing laying Including painting the exposed portion of the loops all as per standard design complete . [Item Code :11010, Item No.-11.2] pg.107]	172.00	124.74	Each	21455.28
26	Providing H.Y.S.D bar reinforcement for R.C.C work inclg. Bending, binding & placing in position complete upto floor two level. [Item Code :05014AA,Item No.-5.4.11] pg.54]	72767.09	62.18	Kg.	4524657.43
		Total	[F]		6074738.96
27	[G] Alluminium Section Window Providing and fixing extruded aluminum window having extruded aluminum Colour Powder Coated section frame main outer size 127mm x 38.10mm x 1.35mm ,@ Wt.1.384 Kg/mt, horizontal Four track member size 122.20mm x 31.75mm x 1.10mm @ Wt. 1.205 Kg/mt, vertical member of size 122.20mm x 31.75mm x 1.50mm ,@ Wt. 1.398 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, @ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window. [Item Code :11032,Item No.----] pg.109]	762.92	2119.14	S.Mt.	1616734.29
		Total	[G]		1616734.29



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	[H] Water Supply, Plumbing and Sanitary fittings					
28	Providing and Laying (to level or slopes) and Jointing with Stiff mixture of cement Morter in proportion1:1 self Glazed stoneware pipes including testing of pipes and joints complete A) 100 mm. Dia [Item Code :24001AA ,Item No.-24.1] pg.172]	20.00	211.05	R.Mt.		4221.00
29	Providing salt glazed stoneware fittings 1) Bend A) 100 mm Dia [Item Code :24004A1A ,Item No.-24.17] pg.172] 2) Taper Bend A) 100 mm X 150 mm.[Item Code :24004BA ,Item No.-24.17] pg.173] 3) Single Junction A) 100 mm Dia [Item Code :24004C1A ,Item No.-24.17] pg.173]	32.00 24.00 15.00	55.61 73.59 67.15	Each Each Each		1779.52 1766.16 1007.25
30	Constructing Brick masonry chamber for underground C.I. inspection chamber and bends with brick having crushing strenght not less than 35 kg/cm ² in c:m 1:5 c.i. cover with frame (light duty) 445 mm X 610 mm internal dimension total weight of cover with frame to be not less 38 kg (Wt or cover 23kg. And with of frame 15 kg.)R.C.C. top slab with 1:2:4 mix(1cement:2coarse sand:4 grade stone aggregate 20 mm size) foundation concrete 1:5:10 inside plaster 15 mm.thick with cement mortar 1:3 finished smooth with a floating conat of neat cement on walls and bed concrete etc. complete (i) inside dimension 455 mm X 610 mm and 450 mm deep for single pipe line (up to 10 ton) [Item Code :24016AA ,Item No.-24.44] pg.177]	6.00	2903.89	Each		17423.34





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31	Providing and fixing cast iron (spun) nahni trap of the following nominal diamter of self cleaning design with C.I. screwed down of hinged grating including cost of cutting and making good the walls and floor 100 mm. inlet and 50 mm outlet (c) 100mm dia. [Item Code :23008 ,Item No.-23.857] pg.164]	32.00	600.08	Each		19202.56
32	Providing and fixing Wash down water closet (European type W.C. pan) with integral P or S trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement :1 findsand) (seat and cover to be measured and paid for separately) A)Vitreous China pattern-I (i) in whith colour [Item Code :23010 ,Item No.-23.112] pg.165]	40.00	1290.80	Each		51632.00
33	Providing and fixing washbasin with single hole for pillar tape with C.I. or M.S. brackets painted white including cutting holes and marking good the same but excluding fittings A) Vitreous china (ii) flat back washbasin 550 mm X 400 mm size i) in white colour [Item Code :230108 ,Item No.-23.127] pg.166]	24.00	1400.18	Each		33604.32
34	Providing and fixing Kitchen sink with C.I. or M.S. brackets, painted white including cutting holes in walls and making good the same but excluding fittings. (C) Vitreous China Sink.(i) 600mm x 450mm x 150mm size [Item Code :230109 ,Item No.-23.13] pg.166]	16.00	2257.69	Each		36123.04
35	Supplying and fixing 100 mm dia P.V.C. rain water pipe with throgh wall or floor or outside with necessary and land laulkad joints (Market Rate)	130.00	150.00	R.Mt.		19500.00
36	Supplying and fixing 100 mm dia P.V.C. rain water pipe fittings such as bends, tests, offsets & shoes etc.(Market Rate)	60.00	80.00	Each		4800.00
37	Providing &fixing to wall ceiling and floor Galvanized mild steel tubes(medium grade)of the following nominal bore tube fitting and clamps including making good the wall, ceiling and floor A) 15 mm dia [Item Code :23001AA ,Item No.-23.2] pg.162] C) 25 mm dia [Item Code :23001CA ,Item No.-23.2] pg.162] E) 40 mm dia [Item Code :23001EA ,Item No.-23.2] pg.162]	70.00 70.00 70.00	244.13 393.93 596.73	R.Mt. R.Mt. R.Mt.		17089.10 27575.10 41771.10
38	Providing and fixing screw down bib taps of following Size B) Brass chromium plated screw down bib tap i) 15 mm Dia [Item Code :23028B1 ,Item No.-23.92] pg.167]	80.00	184.98	Each		14798.40
39	Providing and fixing pillar tap, capstan head, screw down high pressure with screws shanks and back nuts A) 15 mm Dia [Item Code :23029A ,Item No.-23.95] pg.167]	80.00	305.67	Each		24453.60
40	Providing and fixing brass screw down stop tap A) 15 mm Dia [Item Code :23030A ,Item No.-23.96] pg.167]	80.00	203.79	Each		16303.20



BHARGAV DESAI
B. ARCH, CA / 97 / 21430,
A. I. I. A. - 12814
SRT/CCIT/OSD/34AB/rv-34/2004-05
I.O.V. - A. I. V. No. A-29682



UNIQUE DESIGNERS
REGISTERED ARCHITECT
GAZETTED VALUE R
INTERIOR DESIGNER

PERMANENT ACCOUNT NO.: AARPD9147L
GST No. : 24AARPD9147L1Z8

Head Office : Vithalbhai Patel Road, Near Ramji Tekra, Ramji Mandir, Valsad - 396 001. M.98242 33008

E-mail : uniquedesigners@rediffmail.com • uniquedesigners67@gmail.com

Surat Office : I-302, Nakshatra Embassy, Near Shavion Circle, New Gauravpath Road, Surat-395009. / 316, Third Floor, Oberon, Bharthana - Vesu, Surat.

Vapi Office : 223/224, 2nd Floor, Heena Arcade, GIDC Char Rasta, Vapi - 396 191.

Abstract Sheet

NAME OF WORK :- Estimate of Class Rooms & Laboratories @ B.K.M. Science College Bldg. Valsad (Ground Floor+1st Floor+2nd Floor +3rd Floor) AT:Tithal Road, Valsad,Gujarat - 396001 For: Shree Nootan Kelavani Mandal (Campus Office)						S.O.R.2023-24
41	Providing & fixing gun metal check or non return fullway wheel valve (E) 40 mm Dia [Item Code :23031E ,Item No.-23.99] pg.167]	80.00	656.86	Each		52548.80
42	Providing & fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete ii) 25 mm Dia [Item Code :23032B ,Item No.-0] pg.168]	40.00	261.16	Each		10446.40
43	Providing & fixing P.V.C. water tank (M.R.)	5000.00	6.00	Lit.		30000.00
44	Providing and fixing Urinal or approved quality including connection the urinal with waste pipe trap etc. complete A) White earthen ware flat back or corner type size 430 mm X 260 mm X 350 mm [Item Code :23033 ,Item No.-23.122] pg.168]	20.00	1026.01	Each		20520.20
			Total	[H]		446565.09



BHARGAV DESAI
B. ARCH, CA / 97 / 21430,
A. I. I. A. - 12814
SRT/CCIT/OSD/34AB/rv-34/2004-05
I.O.V. - A. I. V. No. A-29682



UNIQUE DESIGNERS

REGISTERED ARCHITECT
GAZETTED VALUEER
INTERIOR DESIGNER

PERMANENT ACCOUNT NO.: AARPD9147L
GST No. : 24AARPD9147L1Z8

Head Office : Vithalbhai Patel Road, Near Ramji Tekra, Ramji Mandir, Valsad - 396 001. M.98242 33008

E-mail : uniquedesigners@rediffmail.com • uniquedesigners67@gmail.com

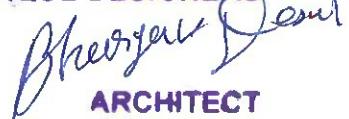
Surat Office : I-302, Nakshatra Embassy, Near Shavion Circle, New Gauravpath Road, Surat-395009. / 316, Third Floor, Oberon, Bharthana - Vesu, Surat.

Vapi Office : 223/224, 2nd Floor, Heena Arcade, GIDC Char Rasta, Vapi - 396 191.

Abstract Sheet

NAME OF WORK :- Estimate of Class Rooms & Laboratories @ B.K.M. Science College Bldg. Valsad (Ground Floor+1st Floor+2nd Floor +3rd Floor) AT:Tithal Road, Valsad,Gujarat - 396001 For: Shree Nootan Kelavani Mandal (Campus Office)					S.O.R.2023-24
	[I] Electrification				
45	Providing and fixing all internal necessary light points and switches with approved quality make fixtures of required capacity make fixtures of required capacity as per I.S.I. standards with best quality PVC copper wire of required gauge and make up to meter. The switch boards are to be best quality wood with sunmica facing of suitable, as directed (Market Rate)(Not Available in S.O.R. Rate)	380.00	800	Each	304000.00
46	Providing & fixing wooden meter box of approved size with glass shutter with proper finishing and locking arrangements including of approved quality and capacity of I.S.I. standards as directed. meters switches and fuse points fixtures of approved quality and make with cable connection from meter to main line (Market Rate) (Not Available in S.O.R. Rate)	1.00	2000	Each	2000.00
			Total	[I]	306000.00
	[J] Furniture (Market Rate) (Not Available in S.O.R. Rate)	lumsum	10000000.00		10000000.00
			Total	[J]	10000000.00
	[K] Fire Safety (Market Rate) (Not Available in S.O.R. Rate)	lumsum	2500000.00		2500000.00
			Total	[K]	2500000.00
	[L] Water Harvesting (Market Rate) (Not Available in S.O.R. Rate)	lumsum	1000000.00		1000000.00
			Total	[L]	1000000.00

FOR UNIQUE DESIGNERS

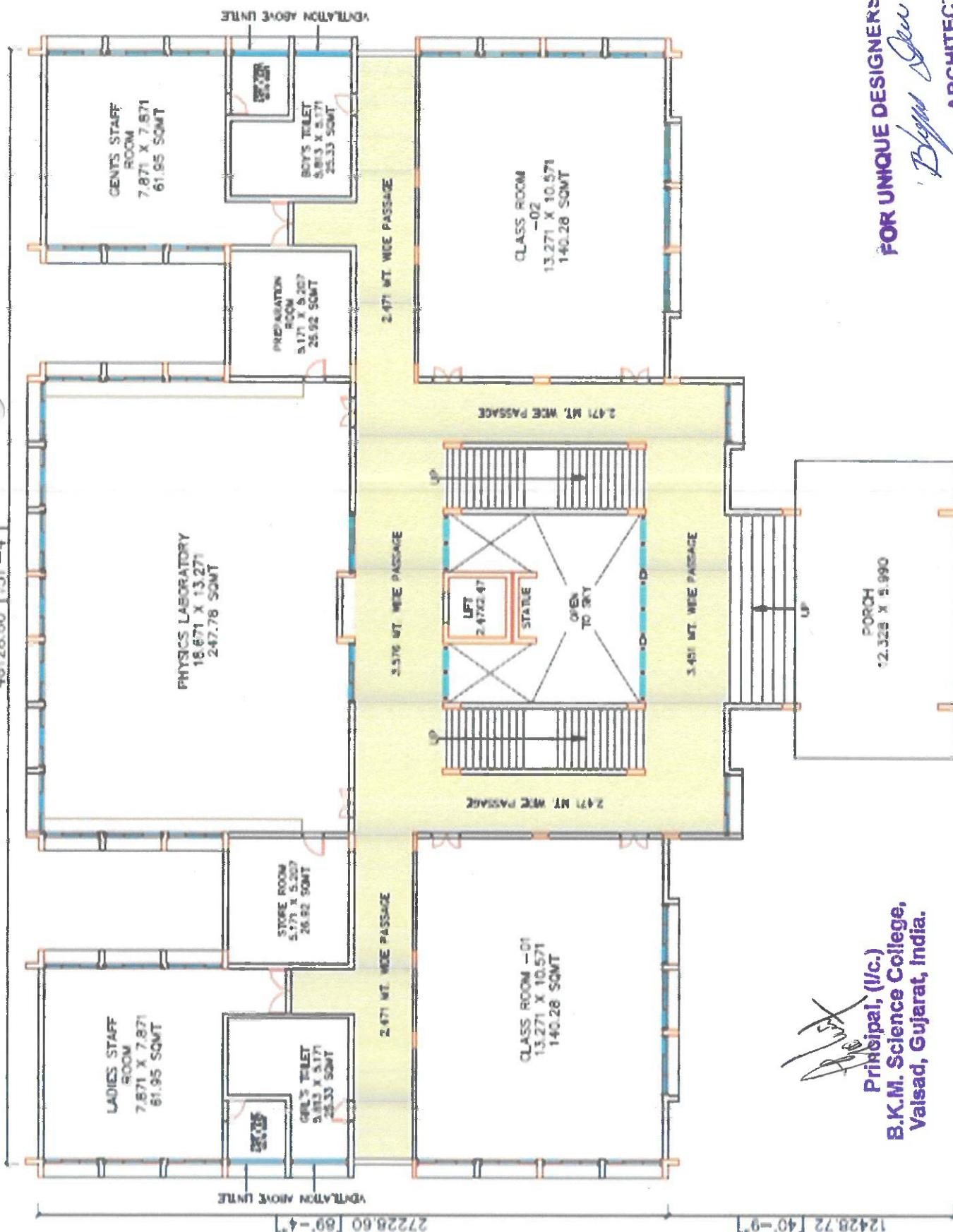

Bhargav Desai
ARCHITECT


Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.




Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.

46128.50 [15'-4"]



FOR UNIQUE DESIGNERS

Design Guru

ARCHITECT

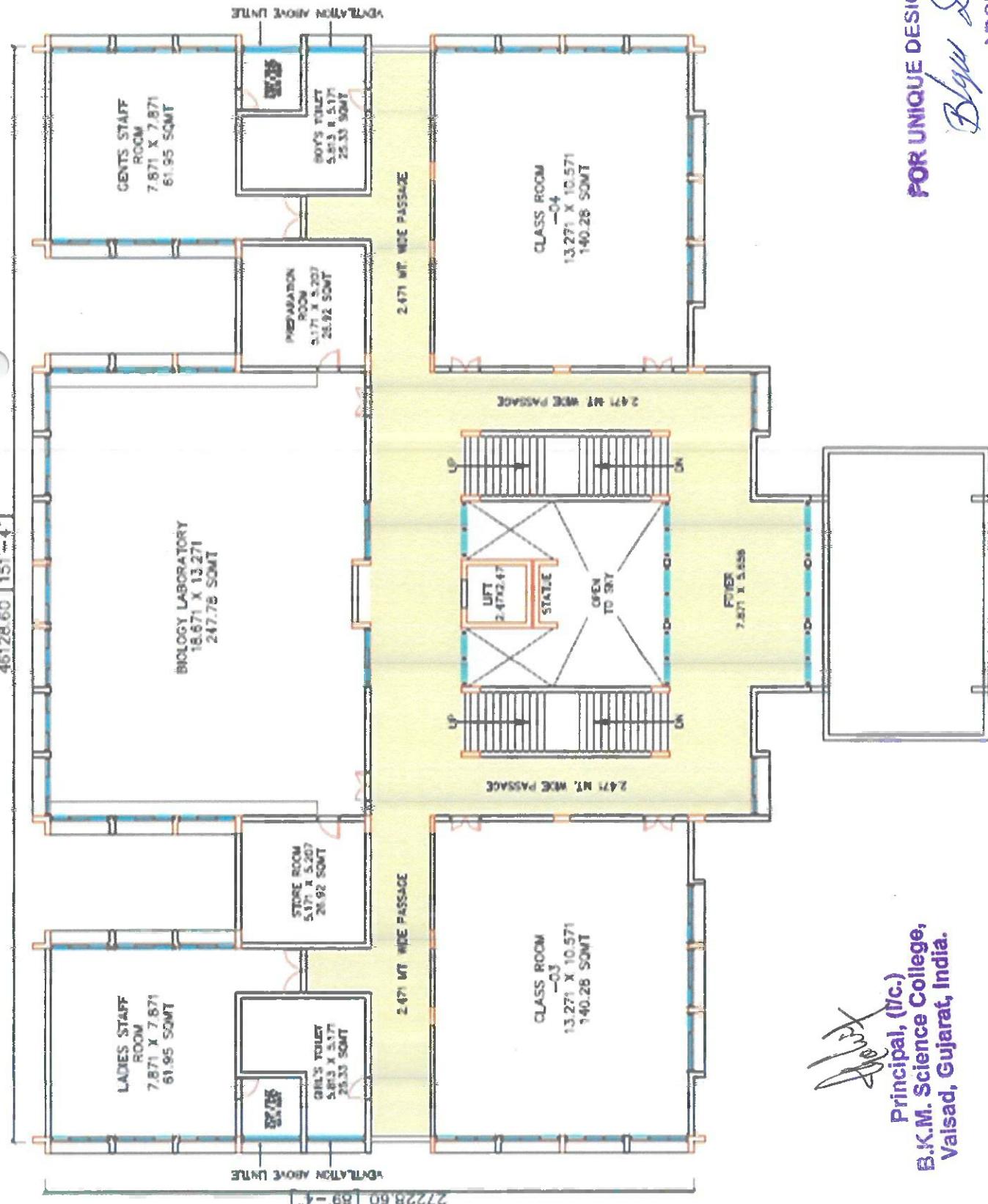
Principal, (U/c.)
B.K.M. Science College,
Valsad, Gujarat, India.

GROUND FLOOR PLAN



12428.72 [40'-9"]

27228.60 [69'-4"]



POOR UNIQUE DESIGNERS
Bijay Deo
ARCHITECT

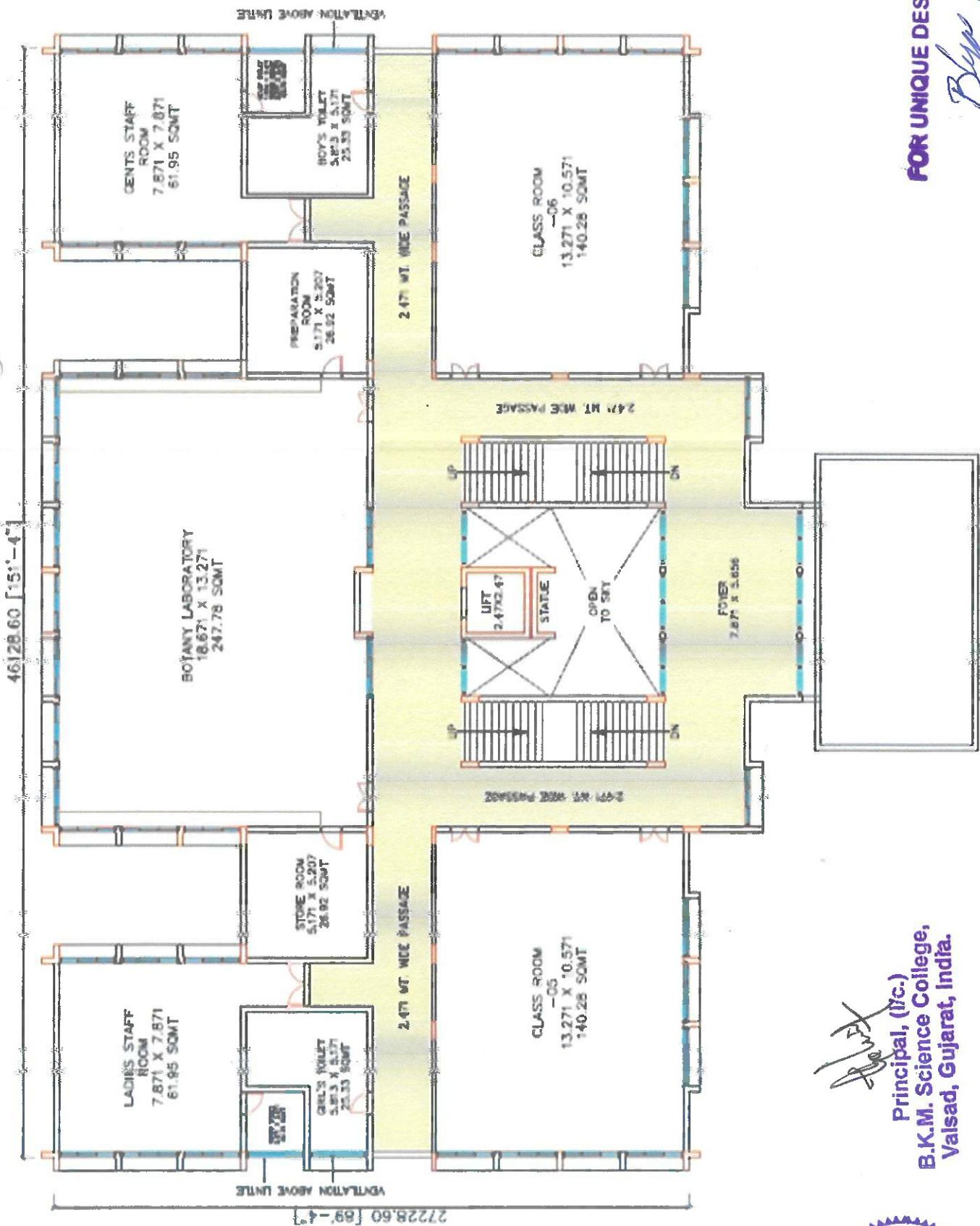
Neeraj
Principal, (I.C.)
B.K.M. Science College,
Valsad, Gujarat, India.

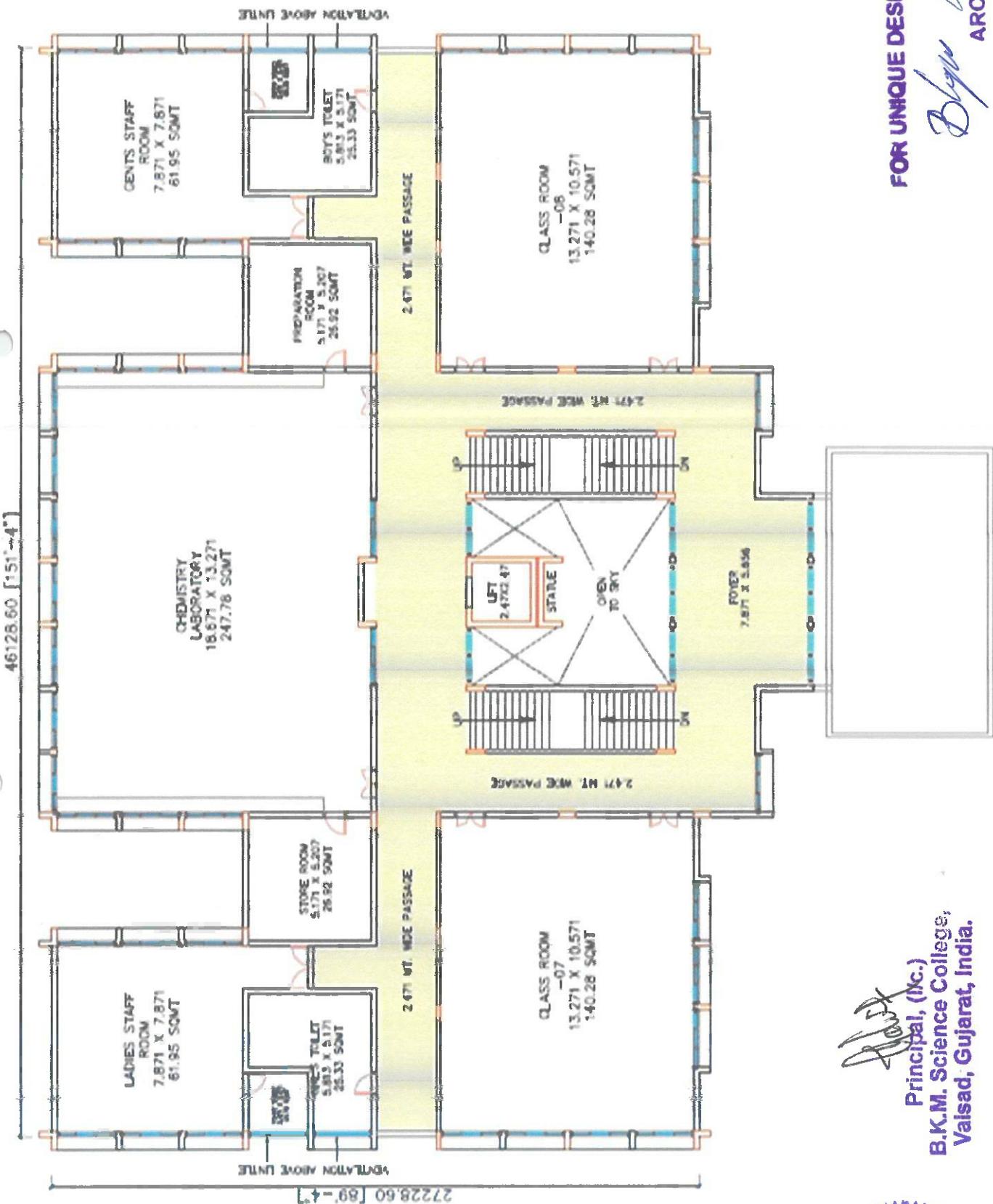


SECOND FLOOR PLAN

B.K.M. Science College,
Valsad, Gujarat, India.

FOR UNIQUE DESIGNERS
Bryan Den
ARCHITECT



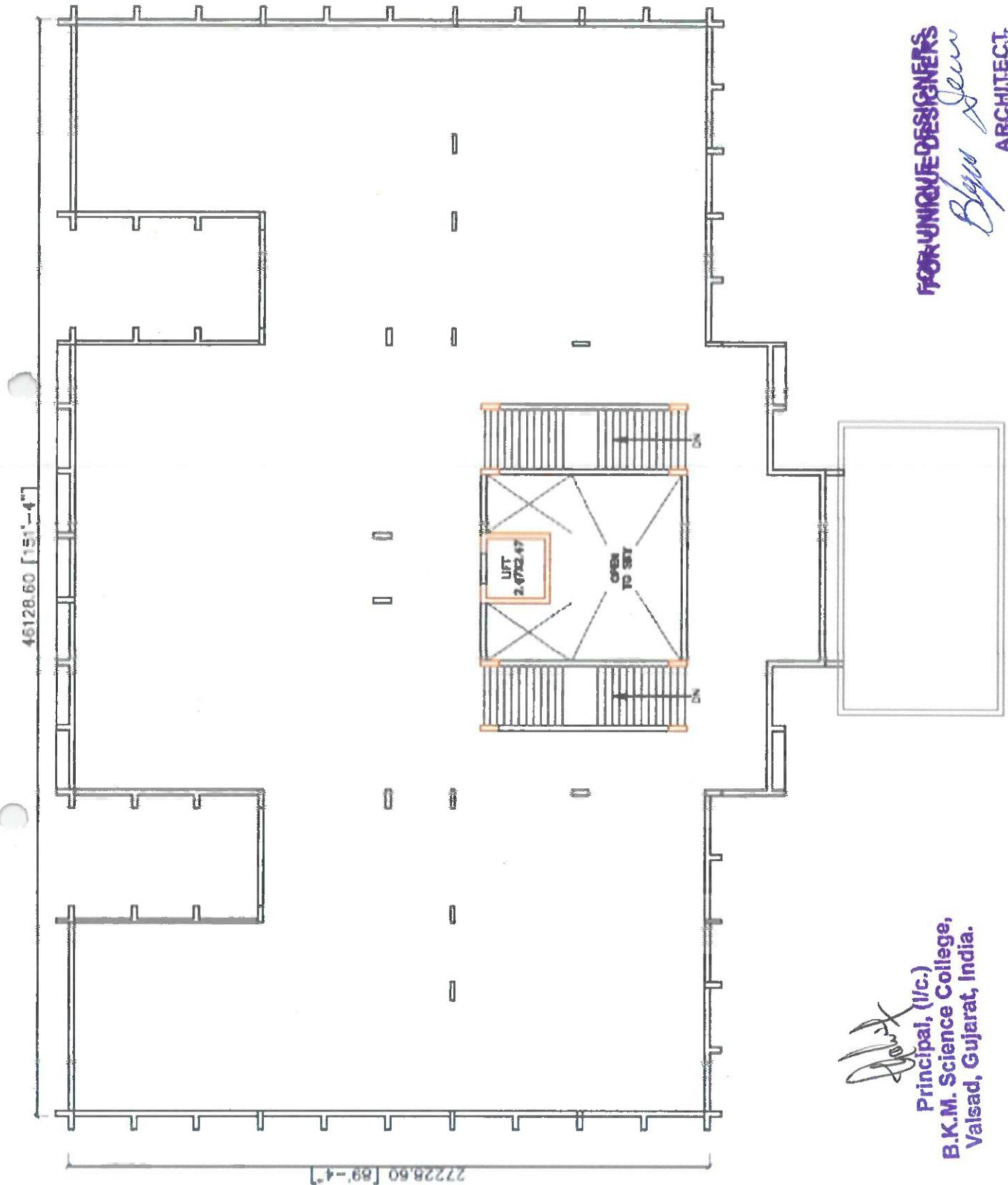


FOR UNIQUE DESIGNERS

Digambar Patel
ARCHITECT

Patel
Principal, (I.C.)
B.K.M. Science College,
Valsad, Gujarat, India.





TERRACE FLOOR PLAN

Repairing and Renovation of Girls Hostel Building, Classrooms, Laboratories, Office building, Girls common room at B.K.M Science College Valsad

FACE SHEET

CIRCLE : Valsad (R&B), Valsad
DIVISION : Valsad (R & B) Division, Valsad
SUB - DIVISION : Hostal Building 22852000.00
R & B Sub Division No.1
FUND HEAD :
MAJOR HEAD :
MINOR HEAD :
DEPARTMENT HEAD :

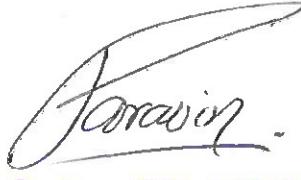
Estimates framed in the office of the Executive Engineer, Dist (R & B) Division, Valsad by The Deputy Executive Engineer, R & B Sub Division, Dhandhuka for the probable expenditure that will be incurred in
NAME OF WORK

Repairing & Renovation girls Hostal building (B.K.M Science College)
At-Bhagdawada Dist-Valsad
ESTIMATED COST : Rs. 22852000.00
ESTIMATE PREPARED BY :
ESTIMATE CHECKED BY :

GENERAL DESCRIPTION

The estimate is prepared on the base of standard Schedule of rate of year 2021-22 of Valsad District R&B Elec. SOR 2021-22 and non Sor items are supported with market rate and rate analysis.


Principal, (W.c.)
B.K.M. Science College,
Valsad, Gujarat, India.



intra PLANNER
ARCHITECTS - ENGINEERS
87, B-ROAD, PALI HILL-03,
TITHAL ROAD, OPP. TALAV,
VALSAD-393001, GUJARAT.
TEL : 9825143285
E-MAIL : intraplanner11@gmail.co.in




Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.

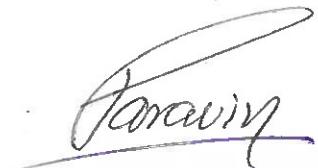
Name of Work :-

Repairing & Renovation girls Hostal building (B.K.M
Science College) At-Bhagdawada Dist-Valsad

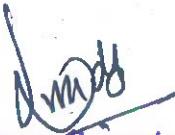
Recapitulation Sheet

1 Hostal Buildings	Rs.	15342600.00
2 Parking shead	Rs	6227700.00
	Total	Rs
		21570300.00
	Add 1% Contingency	Rs.
		215703.00
	Add 1% Quality Control	Rs.
		215703.00
	Electrical Work	Rs.
		850000.00
	Total	Rs
		22851706.00
	Say	Rs
		2,28,52,000.00


Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.



intra PLANNER
ARCHITECTS - ENGINEERS
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TEL : 9825143285
E-MAIL : intraplanner11@gmail.co.in


Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.

Name Of Work:
 Repairing & Renovation girls Hostal building (B.K.M Science College) At-Bhagdawada Dist-
 Valsad

Statement of Credit Value of Dismantled Materials

Sr no	Item Description	Qty.	Unit	Rate	Usable		
					Qty	Rate	Amount
1	2	3	4	5	6	7	8
1	Not Exceeding 3 Sq.M. in area.door/Window	200.32	Sqmt	4699.80	80.13	Sqmt	1879.92
					40%		40%
(SOR 2021-22 It.Code-10030B P.No.78)							
2	exceeding 3 Sq.M. in area. For Fully Penelled Door/Window	142.15	Sqmt	4699.80	56.86	Sqmt	1174.95
					40%		25%
(SOR 2021-22 It.Code-10030B P.No.78)							
3	Demolition R.C.C. work (Chara)	724.42	Cum	153.00	362.21	Cum	61.20
					50%		40%
(SOR 2021-22 M109 P.No.011)							
4	Vitrified Tile	1553.20	kg	350	931.92	kg	175.00
					60%		50%
(SOR 2021-22, M599 P.No.19)							
5	Manglore Tile	3188.50	Rmt	170.10	1275.4	Rmt	68.04
					40%		40%
SOR-21-22 15010A Pn 111							
6	Brickwork	0.92	Cum	153	0.368	Cum	68.85
					40%		45%
(SOR 2021-22 M109 P.No.011)							

A 489502.45

Sanitary Fittings

	Item Description	Qty.	Unit	Usable	Rate	Unit	Usable	Amount
	Pipe 25mm (M237/p5)	180.00	Rmt	90.00	173.00	Rmt	25.95	2335.50
	Pipe 15mm(M235/P5)	30.00	Rmt	15.00	94.00	Rmt	14.10	211.50
	WC indian(23009/p107)	17.00	No	8.50	624.75	No	187.43	1593.11
	Basin(M210/p09	13.00	No	6.50	550.00	No	165.00	1072.50

B 5212.61

Total(A+B) 494715.06

say 494716.00

Name of work :-						
Repairing&Renovation girls Hostal building (B.K.M Science College) At-Bhagdawada Dist-Valsad						
A B S T R A C T						
Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2	3	4	5	6	
96.00	No	1	Dismantling of doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift (ii) Not Exceeding 3 Sq.M. in area. (SOR 2021-22 It.Code-20013A (ii) P.No.127)	123.90 1.24 125.14	No 1% LC	12013.44
38.00	No	2	Dismantling of doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift (ii)Exceeding 3 Sq.M. in area. (SOR 2021-22 It.Code-20013B (ii) P.No.127)	165.90 1.66 167.56	No 1% LC	6367.28
2306.00	Sqm	3	Dismantaling of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift (SOR 2021-22 It.Code-20005 (ii) P.No.126)	31.82 0.32 32.14	Sqm 1% LC	74114.84
1.00	Cum	4	Demolition of Brick work and stone masonry including stacking of serviceable materila sand disposal of unserviceable materials with all lead and lift.(ii) In Cement Mortar. (SOR 2021-22 It.Code-20003B P.No.126)	363.30 3.63 366.93	Cum 1% LC	366.93
210.00	Rmt	5	Dismantling C.I. pipes G.S.W.pipes abd A.C. rain water pipes with fittings and clamps including stacking the materials with all lead and lift (SOR 2021-22 It.Code-20015 P.No.127)	49.56 0.50 50.06	Rmt 1% LC	10512.60
3188.50	Sqm	6	Dismentalings manglore of country tile roofing with battens boarding etc. including stacking of serviceable materilas and disposal of unserviceable materials with (SOR 2021-22 It.Code-20008 (ii) P.No.126)	57.86 0.58 58.44	Sqm 1% LC	186335.94
8143.00	Sqm	7	Removing and scraping of old deteriorated plaster of any thickness fromm wall / R.C.C member including stacking of serviceable material and disposal of unserviceable from site of work with all lead and lift (SOR 2021-22 It.Code-20045 (ii) P.No.128)	12.92 0.13 13.05	Sqm 1% LC	106266.15
70.00	Cum	8	Excavation for foundation upto 1.50 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff upto 50 mt lead (A) Loose or soft soil. {S.O.R. It.No.04001A P.No.39}	77.28 0.77 78.05	Cum 1% LC	5463.50
14.00	Cum	9	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. comp. with all lead and lift. {S.O.R. It.No.4007A P.No. 41}	336.34 3.36 339.70	Cum 1% LC	4755.80
17.00	Cum	10	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- machine cut stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth {S.O.R. It.No.05003A P.No.45}	2406.80 24.07 2430.87	Cum 1% LC	41324.79
30.00	Nos	11	Dismantling santtary fittings like wash basin . W.C. pan Indian and European type flushing tank etc including	267.75 2.68	Nos 1% LC	8112.90

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2	3	4	5	6	
			stacking the materials with all lead and lift (SOR 2021-22 It.Code-20016 P.No.127)	270.43		
9.00	Cum	12	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/sq.cm. in foundation and plinth in cement mortar 1:6 (1 cement : 6 fine sand) Conventional {S.O.R. 2021-22 I Code 6002BA P.No. 61}	2828.10 28.28 2856.38	Cum 1% LC	25707.42
2258.00	Sqm	13	Providing 15mm thick cement plaster in Single coat on Rough (Similar) side of single or half birck walls / concrete wall for interior plastering and finished even in C M 1:4 (1 cement : 4 coarse sand) . comp. For Ground floor As per rate analysis -1	101.12 1.01 102.13	Sqm 1% LC	230609.54
1140.00	Sqm	14	Providing 15mm thick cement plaster in Single coat on Rough (Similar) side of single or half birck walls / concrete wall for interior plastering and finished even in C M 1:4 (1 cement : 4 coarse sand) . comp. For Frist Floor As per rate analysis-1	116.56 1.17 117.73	Sqm 1% LC	134212.20
1222.00	Sqm	15	Providing 15mm thick cement plaster in Single coat on Rough (Similar) side of single or half birck walls / concrete wall for interior plastering and finished even in C M 1:4 (1 cement : 4 coarse sand) . comp. For Second floor As per rate analysis-1	132.00 1.32 133.32	Sqm 1% LC	162917.04
52.00	Sqm	16	Providing 15mm thick cement plaster in Single coat on Rough (Similar) side of single or half birck walls / concrete wall for interior plastering and finished even in C M 1:4 (1 cement : 4 coarse sand) . comp. For Third floor As per rate analysis-1	147.44 1.47 148.91	Sqm 1% LC	7743.32
4671.00	Sqmt	17	Providing average 15 mm thick single coat fiber mortar plaster by removing detoriated plaster over old masonry surface scraping by wire brush, applying 125 gm/bag "Triangle shape" polyester fiber "6 mm - long" to be added existing wall surface including plastering in CM 1: 3 in single coat adding 140 ml Super Plasticizer and 250 ml SBR etc complete as per directed by Engineer - in - charge. As Per Rate Analysis-2	302.00 3.02 305.02	Sqmt 1% LC	1424748.42
2133.00	Sqm	18	Providing average 10 mm thick in CM 1:3 in single coat polymer plaster adding 140 ml Super Plasticizer and 250 ml SBR by removing the scrapping of old detoriated plaster of any thickness from Wall/RCC member including stacking of servicable material and disposal of unservicable material from site of work with all lead and lift. After removing the plaster of Wall/RCC, it shoud clean by Water Jet, Pointing will be done in masonry joints and Bonding coat (Cement+SBR+Water) shoud apply before polymer plaster etc complete as per directed by Engineer - in - charge. As Per Rate Analysis-3	217.00 2.17 219.17	Sqm 1% LC	467489.61
1339.00	Sqm	19	20 mm Thick sand faced cement plaster on walls upto	198.45	Sqm	268375.77

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2		3	4	5	6
			height 10 meters above ground level consisting of 12 mm Thick backing coat of c.m. 1:3 (1 cement : 3 sand) and 8 mm Thick finishing coat of c.m. 1:1 (1 cement : 1 sand) etc. complete. {SOR 2021-22 I Code 17009 P.No.116}	1.98 200.43	1% LC	
6804.00	Sqm	20	Applying two coats of (white cement based) or (acrylic lappy (putty)) or equivalent and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth, for All floor. {S.O.R. 2021-22 I Code 19032 P.No.182}	47.41 0.47 47.88	Sqm 1% LC	325775.52
4671.00	Sqmt	21	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. It.Code-18031 P.No.121	53.03 0.53 53.56	Sqmt 1% LC	250178.76
2133.00	Sqmt	22	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated ceiling surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. It.Code-18031+18033 (ii) P.No.121	56.60 0.57 57.17	Sqmt 1% LC	121943.61
1339.00	Sqmt	23	Finishing wall with weather proof exterior acrylic emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete It Code 19031 P.No.125	75.60 0.76 76.36	Sqmt 1% LC	102246.04
164.00	Sqm	24	Painting Two coats (excluding priming coat) on previously printed steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. {SOR 2021-22 I Code 19006+19007 P.No.122}	54.39 0.54 54.93	Sqm 1% LC	9008.52
95644.00	kg	25	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint & two coat oil paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins connected to common rafters and the like.. (S.O.R. INO 11002A- P-94	63.26 0.63 63.89	kg 1% LC	6110695.16
3188.50	Sqm	26	Providing and fixing of Ridge flashing for roof panel shall be made out of 0.5 mm thick pre coated GI sheet	858.39 8.58	Sqm 1% LC	2764333.85

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2		3	4	5	6
			<p>The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The ridge shall be fixed to the steel members by pop rivet or self drilling/self stitching fastners @ maximum 450 mm c/c along length of capping/flashng etc complete . (S.O.R. INO 20057A- P.133</p>	866.97		
22.00	Sqm	27	<p>Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm @ Wt 1.094 Kg / Rmt, horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt, vertical member of size 61.85 mm x 31.75mm x 1.30 mm @ wt.of 0.0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, @ Wt. 0.457 Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window (SOR 2021-22 I.Code No.11028,Pg.No.97</p>	2002.17 20.02 2022.19	Sqm 1% LC	44488.18
54.00	Sqm	28	<p>Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm (of Section no:2459 @ wt.of 0.738 Kg/mt), horizontal Three track member size 92mm x 31.75mm x 1.30mm (of Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame & including at top of window fixing standard extruded colour anodized alluminium frame with 5 mm thick transparent bronze colour tinted float Fixed glass as details etc complete as per details etc (SOR 2021-22 I.Code No.11027,Pg.No.96</p>	1850.59 18.51 1869.10	Sqm 1% LC	100931.40
9.00	Sqm	29	<p>Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian</p>	2427.60 24.28	Sqm 1% LC	22066.92

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2	3	4	5	6	
			teak wood frames 12 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (iii) Partly panelled and partly glazed. (SOR 2021-22 I.Code No.10032C, Pg.No.59)	2451.88		
6.50	Sqm	30	Providing & Fixing in position standard extruded approved colour anodised Aluminum Ventilator with outer frame 65 x 25 mm Stander Box Frame @ Wt 1.094 kg/Rmt with 5mm bajari figure glass fix louvers fixed to alluminium strip blade and 5mm thick ground glass fixed ventilation on top including all required materials, fixtures, fastenning, labours and equipments as per detailed drawing as directed. For Ventilators V As Per Rate Analysis -4	2378.00 23.78 2401.78	Sqm 1% LC	15611.57
76.00	Sqm	31	Removing, Repairing and Refixing Old existing wooden window shutter & Grill including repairing the shutter/frame using Randha machine and replacing fixture and fastening like 4 Hinges, 2 Stoppers 20cm, 1 handle 10cm, 2 hooks & eyes 15cm etc. Appling primer coat + Painting one coat of Wood and Including Glasses 3 mm thick and as directed by engineer in charge etc comp. As per Rate Analysis-5	1030.00 10.30 1040.30	Sqm 1% LC	79062.80
60.00	Sqm	32	Removing, Repairing and Refixing Old existing wooden door shutter including repairing the shutter/frame using Randha machine and replacing old fixture and fastening with new SS 304 grade fixtures like 3 Hinges, 1 Stoppers 20cm, 1 Aldrop 25cm, 2 Handle 10cm, 1 Tadi 20cm etc. Appling primer coat + Painting one coat of Wood as directed by engineer in charge etc comp. As Per Rate Analysis-6	912.00 9.12 921.12	Sqm 1% LC	55267.20
5.00	Sqm	33	Providing and fixing 35 mm thick Pine wood solid 2mm core Vineer core flush door single flush door shutter, solid core for durable grip of hinges & single shutter with required teakwood batten having 1mm thick lamination on both side with both side 15cm long stainless steel handle,S.S. Aldrop 20 Cm long, .S. Stopper 20 Cm long, S.S Hinges and necessary ixtures & fastenings etc. directed by engineer in charge. As per Rate analysis -7	3508.00 35.08 3543.08	Sqm 1% LC	17715.40
17.00	Sqm	34	Providing and fixing FRP frame size 100x50mm and 35mm thick FRP shutter with wood grain raised	3283.00 32.83	Sqm 1% LC	56369.11

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2		3	4	5	6
			<p>panneled design finish shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected polyurethane foam done in situ along with embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with fastener sleeve & alluminium fixtures & fastenings.</p> <p>(SOR 2021-22 Item Code No.10037,Pg.No.80</p>	3315.83		
41.00	Sqm	35	<p>Providing and laying water proofing treatment by conventional method including cleaning the slab surface by wire brush as directed including providing first layer of C.M. 1:4 of 40 mm thickness mixed with water proofing compound at rate prescribed by manufacturer, including putting of brick bats of average thickness 40 mm Well immerssed in water laid uniformly on first layer of mortar including applying cement slurry @ rate of 0.08 bag/sqm. on fixed layer of brick bats including maintaining necessary slope, in second layer 40 mm thick C.M 1:4 mixed with water proofing compound as directed, including finishing smooth with cement slurry as directed complete.</p> <p>As Per Rate Analysis-8</p>	648.00 6.48 654.48	Sqm 1% LC	26833.68
724.50	Sqm	36	<p>P & L 60x60 cm' Full body vitrified 8 mm thick tile flooring over 20 mm (average)base of cement mortar 1:6 (1cement : 6 coarse sand)on new surface or fixing on existing flooring by adhesive materials including dismentalig of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete including colour approved by directed.</p> <p>S.O.R. 2021-22 It. Code No.14022,Pg.No.109</p>	927.15 9.27 936.42	Sqm 1% LC	678436.29
89.70	Sqm	37	<p>P & L 60x60 cm full body vitrified 8 mm thick tile in skirting risers of steps and dedo on 10 mm thick cement plaster 1:3 (1cement : 3 coarse sand)and jointed with white cement slurryincluding finished with flush pointing & cleaning the surface etc. complete including colour approved by directed.</p> <p>S.O.R. 2021-22 It. Code No.14022,Pg.No.109</p>	927.15 9.27 936.42	Sqm 1% LC	83996.87
142.00	Sqm	38	<p>P & L anti skid coloured ceramic tiles 30 x 30 cm size 6 mm thick in flooring treads of steps and landing laid on a bed of 12 mm thick cement mortar 1:3(1-cement:3-coarse sand)finishing with flush pointing in white cement</p> <p>S.O.R. 2021-22 It. Code No.14008BA,Pg.No.106</p>	667.80 6.68 674.48	Sqm 1% LC	95776.16
597.00	Sqm	39	<p>Providing and laying coloured glazed tiles of the size 200 mm x600 mm x 8 mm in skirting risers of steps</p>	951.30 9.51	Sqm 1% LC	573603.57

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2	3	4	5	6	
			500 mm x 600 mm x 10 mm in skirting, risers or steps and dado on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry. S.O.R. 2021-22 It. Code No.14036,Pg.No.110	960.81		
139.00	Sqm	40	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC : SP 63-2018 etc. Complete. As per S.O.R. 2021-22 It. Code No.14033,Pg.No.109	733.18 7.33 740.51	Sqm 1% LC	102930.89
752.00	Sqm	41	Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed. (S.O.R. 2021-22,it code 14035,Pg No-110	502.95 5.03 507.98	Sqm 1% LC	382000.96
752.00	Sqm	42	Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (A) 50mm thick. (S.O.R. 2021-22,it code 14015BA,Pg No-108	213.15 2.13 215.28	Sqm 1% LC	161890.56

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2		3	4	5	6
180.00	Rmt	43	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials. (SOR 2021-22 Item Code 23062 Pn.149)	107.29 1.07 108.36	Rmt 1% LC	19504.80
30.00	Rmt	44	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials. (SOR 2021-22 Item Code 23061 Pn-149)	84.87 0.85 85.72	Rmt 1% LC	2571.60
35.00	No	45	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I. spread down or hinged grating including the cost of cutting and making good the walls. (SOR 2021-22 Item Code 23068 PN.150)	376.95 3.77 380.72	No 1% LC	13325.20

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2	3	4	5	6	
17.00	No	46	Providing and fixing wash down water closet (European type W C pan) with integral P and S trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement five sand) including providing and fixing plastic seat cover for wash down WC with CP brass hinges and rubber buffers back plastic seat and including providing and fixing PVC flushing tank with a pair of C I or MS bracket with complete fitting such as lead valve siphon 15 mm dia brass ball valve with polythene float CP brass handle unions and couplings for connection with inlet out let and over flow pipes 40 mm dia porcelain enameled flush bend including cutting holes in walls and making good the same connection the flush bend with cistern and closet vitreous china. {Hindustan, Cera, Parryware or equivalent}	2890.00	No	49621.30
				28.90	1% LC	
				2918.90		
			As per Rate analusis-9			
13.00	No	47	Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including sutting holes and making good the same including Brass waste, and M I fisher union fittings including pvc connection and waste pipe & all necessary fittings For All Floor (A) Vitreous China:(ii) Flat Back washbasin 550 mm x v 400mm size. (i) In white colour As per Rate analusis-10	1612.00	No	21165.56
				16.12	1% LC	
				1628.12		
			As per Rate analusis-10			
35.00	No	48	Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (i) 15mm dia. (SOR 2021-22 Item Code 23028A1 PN.147	218.29	No	7716.45
				2.18	1% LC	
				220.47		
10.00	No	49	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight (i) Square mouth traps (B) 150mm x 100mm size P or R type (SOR 2021-22 Item Code 24006B PN.152	1260.00	No	12726.00
				12.60	1% LC	
				1272.60		

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2		3	4	5	6
2.00	No	50	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm ² in C.M. 1:5 precast RCC cover 455mm x 610mm intenal dimensions with frame (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete (i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line. As Per Rate Analysis -11	2885.00 28.85 2913.85	No 1% LC	5827.70
2.00	No	51	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm ² in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg. (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 500mmx 700mm and 450mm deep for single pipe line. As Per Rate Analysis -12	3739.00 37.39 3776.39	No 1% LC	7552.78
11.50	Cumt	52	Providing and laying controlled cement concrete M250 and curing etc. complete including the cost of form work and excluding the cost of reinforcement etc. complete in RCC Vertical and Horizontal wall for First Floor As Per Rate Analysis-13	7530.50 75.31 7605.81	Cumt 1% LC	87466.82
1725.00	Kg	53	Providing IS Mark TMT FE 500D bar reinforcement for RCC work including bending & placing in position complete up to All floor Level SOR-21-22 Item 05014C P/47	68.67 0.69 69.36	Kg 1% LC	119646.00
30.00	Sqmt	54	Providing & Fixing MS Heavy Duty Trench Drain having rectunguler section 40mmx40mmx5mm at every 10cm and outer rectangular fram section 50mmx50mmx5mm fixing existing trench including three coats (one coat of priming coat + two coats of enamel paint) on new steel and other metal surface with enamel paint, brushing interior to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. As Per Rate Analysis-14	4340.60 43.41 4384.01	Sqmt 1% LC	131520.30

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2		3	4	5	6

Total	=	15837245.02
Credit Value	=	494716.00
Total	=	15342529.02
Say	=	15342600.00

[Signature]
Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.



Intra PLANNER
 ARCHITECTS - ENGINEERS
 87, B-ROAD, PALI HILL-03,
 TITHAI PONI, OPP. TALAV,
 VALSAD - 396001, GUJARAT.
 TEL : 02652 221111
 E-mail : intraplanner@gmail.com

[Signature]
Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.

Name of work :-

Repairing & Renovation girls Hostal building (B.K.M Science College) At-Bhagdawada Dist-Valsad

MEASUREMENT

No x L x B x H = Total Unit

Item No. 1

Dismantling of doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift

(ii) Not Exceeding 3 Sq.M. in area.

Hostal/Door

D1	26	x	1.22	x	2.13	=	67.56	26
D2	6	x	0.91	x	2.13	=	11.63	6
Math room 1,2,3,4	4	x	1.20	x	2.00	=	9.60	4
							88.79	

Hostal/Window/V

W1	6	x	2.13	x	1.22		15.59	6
W6	12	x	1.60	x	1.22		23.42	12
V	1	x	0.91	x	1.22		1.11	1
Mathroom 1,2,3,4	17	x	0.60	x	0.60		6.12	17
V1 Mathroom	8	x	0.80	x	1.20		7.68	8
	16	x	8.00	x	0.45		57.60	16
							111.53	
							200.32	96.00 No
							Sqm	
							say	96.00 No

Item No. 2

Dismantling of doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift

(ii) Exceeding 3 Sq.M. in area.

Hostal/Door

D	8	x	1.83	x	2.13	=	31.18	8
---	---	---	------	---	------	---	-------	---

Hostal/Window/V

W	29	x	3.05	x	1.22	=	107.91	29
W4	1	x	2.51	x	1.22		3.06	1
							110.97	
							142.15	38.00 No
							Sqm	
							say	38.00 No

Item No. 3

Dismantling of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift

As per item No.	36						724.42
As per item No.	37						89.70
As per item No.	38						142.00
As per item No.	39						597.00
As per item No.	41						752.00
						Total	2305.12 Sqm
						Say	2306.00 Sqm

Item No. 4

Demolition of Brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (ii) In Cement Mortar.

otla	1	x	1	x	1	x	2.00	x	0.23	x	2.00	=	0.92
												Total	0.92
												Say	1.00 Cum

Item No. 5

Dismantling C.I. pipes G.S.W. pipes and A.C. rain water pipes with fittings and clamps including stacking the materials with all lead and lift

25mm													180.00
15mm													30.00
												Total	210.00
												Say	210.00 Rmt

Item No. 6

Dismantling manglore of country tile roofing with battens boarding etc. including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (ii) A.C. sheet roofing.

Lecture 1,2,3,4	1	x	1	x	4	x	14.10	x	16.50		=	930.60
Chemical lab 1,2	1	x	1	x	2	x	16.18	x	31.86		=	1030.99
Physics Lab 1,2	1	x	1	x	2	x	11.57	x	24.50		=	566.93
iology lab 1,2,3	1	x	1	x	3	x	12.12	x	18.14		=	659.57
											Total	3188.09 Sqm
											Say	3188.50 Sqm

Item No. 7

Removing and scraping of old deteriorated plaster of any thickness from wall / R.C.C member including stacking of serviceable material and disposal of unserviceable from site of work with all lead and lift

As per item No.	17												4671.00
As per item No.	18												2133.00
As per item No.	19												1339.00
												Total	8143.00 Sqm
												Say	8143.00 Sqm

Item No. 8

Excavation for foundation upto 1.50 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff upto 50 mt lead (A) Loose or soft soil.

Plinth protection	Back	1	x	1	x	1	x	40.05	x	1.20	x	0.50	=	24.03
	Front	1	x	1	x	1	x	47.81	x	1.20	x	0.50	=	28.69
	Left /Right	1	x	1	x	2	x	13.94	x	1.20	x	0.50	=	16.73
												Total	69.45	
												Say	70.00 Cum	

Item No. 9

Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. comp. with all lead and lift.

Plinth protection	Back	1	x	1	x	1	x	40.05	x	1.20	x	0.10	=	4.81
	Front	1	x	1	x	1	x	47.81	x	1.20	x	0.10	=	5.74
	Left /Right	1	x	1	x	2	x	13.94	x	1.20	x	0.10	=	3.35
												Total	13.90	
												Say	14.00 Cum	

Item No. 10

Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- machine cut stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth

Pcc

Plinth protection	Back	1	x	1	x	1	x	40.05	x	1.20	x	0.10	=	4.81
	Front	1	x	1	x	1	x	47.81	x	1.20	x	0.10	=	5.74

Rcc Drainage	Left /Right	1	x	1	x	2	x	13.94	x	1.20	x	0.10	=	3.35
		1	x	1	x	1	x	50.00	x	0.60	x	0.10	=	3.00
													Total =	16.90
													Say =	17.00 Cum

Item No. 11

Dismantling sanitary fittings like wash basin . W.C. pan Indian and European type, flushing tank etc.including stacking the materials with all lead and lift

WC												17.00
Basin												13.00
												Total 30.00
												Say = 30.00 Nos

Item No. 12

Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/sq.cm. in foundation and plinth in cement mortar 1:6 (1 cement : 6 fine sand) Conventional

Plinth protection	Back	1	x	1	x	1	x	40.05	x	0.23	0.30	2.76
	Front	1	x	1	x	1	x	47.81	x	0.23	0.30	3.30
	Left /Right	1	x	1	x	2	x	13.94	x	0.23	0.30	1.92
Otla		1	x	1	x	1	x	2.00	x	0.23	x	2.00 = 0.92
												Total = 8.90
												Say = 9.00 Cum

Item No. 13

Providing 15mm thick cement plaster in Single coat on Rough (Similar) side of single or half brick walls / concrete

wall for interior plastering and finished even in C M 1:4 (1 cement : 4 coarse sand) . comp. For Ground floor

Hostal

Room		1	x	5	x	2	x	4.27		x	3.13	= 133.44
		1	x	5	x	2	x	5.26		x	3.13	= 164.38
bath		1	x	1	x	2	x	1.22		x	3.13	= 7.63
		1	x	1	x	2	x	1.83		x	3.13	= 11.44
Bath/toilet		1	x	4	x	2	x	1.14		x	3.13	= 28.50
		1	x	4	x	2	x	1.83		x	3.13	= 45.75
WC		1	x	3	x	2	x	1.22		x	3.13	= 22.88
		1	x	3	x	2	x	0.99		x	3.13	= 18.56
Dressed		1	x	1	x	2	x	1.14		x	3.13	= 7.13
		1	x	1	x	3	x	1.68		x	3.13	= 15.75
Pantry		1	x	1	x	1	x	2.51		x	3.13	= 7.84
		1	x	1	x	2	x	1.00		x	3.13	= 6.25
out/wc/bath		1	x	1	x	1	x	9.18		x	2.15	= 19.74
Brick wall		1	x	1	x	2	x	15.76		x	3.13	= 98.50
Reactor Room		1	x	1	x	1	x	10.66		x	3.13	= 33.31
Servent Room		1	x	1	x	2	x	4.27		x	3.13	= 26.69
		1	x	1	x	2	x	5.26		x	3.13	= 32.88
Pantry		1	x	1	x	2	x	4.27		x	3.13	= 26.69
		1	x	1	x	2	x	5.26		x	3.13	= 32.88
Kitchen		1	x	1	x	2	x	4.27		x	3.13	= 26.69
		1	x	1	x	2	x	5.26		x	3.13	= 32.88
Sick room		1	x	1	x	2	x	3.43		x	3.13	= 21.44
		1	x	1	x	2	x	2.90		x	3.13	= 18.13
Office		1	x	1	x	2	x	3.43		x	3.13	= 21.44
		1	x	1	x	2	x	3.35		x	3.13	= 20.94
Visitor room		1	x	1	x	2	x	4.80		x	3.13	= 30.00
		1	x	1	x	2	x	5.79		x	3.13	= 36.19
Common room		1	x	1	x	2	x	6.55		x	3.13	= 40.94
		1	x	1	x	2	x	6.40		x	3.13	= 40.00
		1	x	1	x	2	x	4.33		x	3.13	= 27.06
Dining Room		1	x	1	x	2	x	8.77		x	3.13	= 54.81
		1	x	1	x	2	x	7.95		x	3.13	= 49.69
Passage		1	x	1	x	2	x	29.11		x	3.13	= 181.94

Wash	1 x 1 x 1 x 2.51	x 3.13 = 7.84
Lecture Room 1,2,3,4	1 x 2 x 2 x 1.20	x 3.13 = 15.00
	1 x 2 x 4 x 11.90	x 3.40 = 323.68
	1 x 2 x 4 x 8.70	x 3.40 = 236.64
BKM Office	1 x 1 x 2 x 7.70	x 3.40 = 52.36
	1 x 1 x 2 x 7.00	x 3.40 = 47.60
Library	1 x 1 x 2 x 13.80	x 3.40 = 93.84
	1 x 1 x 2 x 16.20	x 3.40 = 110.16
Girls Room	1 x 1 x 2 x 9.27	x 3.40 = 63.04
	1 x 1 x 2 x 7.22	x 3.40 = 49.10
		= 2341.59 A
Deduction		
W	1/2 x 1 x 9 x 3.05	x 1.22 = 16.74
W1	1/2 x 1 x 4 x 2.13	x 1.22 = 5.20
W3	1/2 x 1 x 4 x 1.60	x 1.22 = 3.90
W4	1/2 x 1 x 1 x 2.51	x 1.22 = 1.53
W6	1/2 x 1 x 1 x 0.91	x 1.22 = 0.56
V	1/2 x 1 x 5 x 0.60	x 0.60 = 0.90
	3/4 x 1 x 3 x 1.83	x 2.13 = 8.77
	3/4 x 1 x 6 x 1.22	x 2.13 = 11.69
D2	3/4 x 1 x 1 x 0.91	x 2.13 = 1.45
D3	3/4 x 1 x 7 x 0.76	x 2.13 = 8.50
Lecture Window	1/2 x 1 x 8 x 1.80	x 1.20 = 8.64
BKM	1/2 x 1 X 2 x 1.80	x 1.20 = 2.16
Library	1/2 x 1 x 2 x 2.00	x 1.20 = 2.40
Girls room Window	1/2 x 1 x 2 x 1.80	x 1.20 = 2.16
Lecture Door	3/4 x 1 x 2 x 1.20	x 2.10 = 3.78
Bkm Door	3/4 x 1 x 1 x 1.20	x 2.10 = 1.89
Library door	3/4 x 1 x 1 x 1.20	x 2.10 = 1.89
girls room door	3/4 x 1 x 1 x 1.20	x 2.10 = 1.89
		= 84.06 B
		Total = (A-B) = 2257.53 Sqm
		Say = 2258.00 Sqm

Item No. 14

Providing 15mm thick cement plaster in Single coat on Rough (Similar) side of single or half birck walls / concrete

wall for interior plastering and finished even in C M 1:4 (1 cement : 4 coarse sand) . comp. For Frist Floor

Room	1 x 10 x 2 x 4.27	x 3.13 = 266.88
	1 x 10 x 2 x 5.26	x 3.13 = 328.75
Toilet area		
WC	1 x 2 x 6 x 1.22	x 3.13 = 45.75
	1 x 2 x 6 x 0.99	x 3.13 = 37.13
Bath	1 x 2 x 2 x 1.22	x 3.13 = 15.25
	1 x 2 x 2 x 1.83	x 3.13 = 22.88
	1 x 2 x 4 x 1.14	x 3.13 = 28.50
	1 x 2 x 4 x 1.83	x 3.13 = 45.75
Wc/bath outer	1 x 1 x 1 x 17.44	x 2.15 = 37.50
Stair wall	1 x 1 x 2 x 15.76	x 3.13 = 98.66
Reading room	1 x 1 x 2 x 7.77	x 3.13 = 48.64
	1 x 1 x 2 x 5.94	x 3.13 = 37.18
Passage	1 x 1 x 2 x 37.65	x 3.13 = 235.69
	1 x 1 x 2 x 2.51	x 3.13 = 15.71
	-1 x 1 x 1 x 9.77	x 3.13 = -30.58
D2	1 x 1 x 2 x 1.00	x 3.13 = 6.26

Parapet	1	x	1	x	1	x	9.14	x	x	1.20	=	10.97
												1250.90 A
Ded												
W	1	x	1	x	10	x	3.05		x	1.22	=	37.21
W1	1	x	1	x	2	x	2.13		x	1.22	=	5.20
W3	1	x	1	x	4	x	1.60		x	1.22	=	7.81
V	1	x	1	x	6	x	0.60		x	0.60	=	2.16
D	1	x	1	x	2	x	1.83		x	2.13	=	7.80
D1	1	x	1	x	10	x	1.22		x	2.13	=	25.99
D2	1	x	1	x	3	x	0.91		x	2.13	=	5.81
D3	1	x	1	x	12	x	0.76		x	2.13	=	19.43
												111.40 B
									Total	(A-B)	=	1139.51
										Say	=	1140.00 Sqm

Item No. 15
Providing 15mm thick cement plaster in Single coat on Rough (Similar) side of single or half birck walls / concrete

wall for interior plastering and finished even in CM 1:4 (1 cement : 4 coarse sand) . comp. For Second floor

Wm	1	x	10	x	2	x	4.27		x	3.13	=	266.88
	1	x	10	x	2	x	5.26		x	3.13	=	328.75

Toilet area

WC	1	x	2	x	6	x	1.22		x	3.13	=	45.75
	1	x	2	x	6	x	0.99		x	3.13	=	37.13

Bath	1	x	2	x	2	x	1.22		x	3.13	=	15.25
	1	x	2	x	2	x	1.83		x	3.13	=	22.88
	1	x	2	x	4	x	1.14		x	3.13	=	28.50
	1	x	2	x	4	x	1.83		x	3.13	=	45.75

Wc/bath outer	1	x	1	x	1	x	17.44		x	2.15	=	37.50
Stair wall	1	x	1	x	2	x	15.76		x	3.13	=	98.66

Passage	1	x	1	x	2	x	37.65		x	3.13	=	235.69
	1	x	1	x	2	x	2.51		x	3.13	=	15.71
	-1	x	1	x	1	x	9.77		x	3.13	=	-30.58

D2	1	x	1	x	2	x	1.00		x	3.13	=	6.26
Parapet Open tarrace	1	x	1	x	1	x	7.77		x	1.20	=	9.32

	1	x	1	x	1	x	3.81		x	1.20	=	4.57	
Parapet	Back	1	x	1	x	1	x	37.65		x	1.20	=	45.18

Left Right	1	x	1	x	2	x	13.94		x	1.20	=	33.46
Front	1	x	1	x	1	x	53.35		x	1.20	=	64.02

Ded												1310.66 A
W	1	x	1	x	10	x	3.05		x	1.22	=	37.21

W3	1	x	1	x	4	x	1.60		x	1.22	=	7.81
V	1	x	1	x	6	x	0.60		x	1.22	=	4.39

D1	1	x	1	x	10	x	1.22		x	2.13	=	25.99
D2	1	x	1	x	2	x	0.91		x	2.13	=	3.88

D3	1	x	1	x	13	x	0.76		x	2.13	=	9.88
												89.15 B

Total(A-B) = 1221.51
Say = 1222.00 Sqm

Item No. 16
Providing 15mm thick cement plaster in Single coat on Rough (Similar) side of single or half birck walls / concrete

wall for interior plastering and finished even in CM 1:4 (1 cement : 4 coarse sand) . comp. For Third floor

Cabin	1	x	x	x	1	x	14.36	x	x	2.55		36.62
Cabin Parapet	1	x	1	x	1	x	14.21	x	x	0.90		12.79

D3	-1	x	1	x	-1	x	1.20		x	2.10	=	2.52
										Total	=	51.93
										Say	=	52.00 Sqm

Item No. 17
 Providing average 15 mm thick single coat fiber mortar plaster by removing deteriorated plaster over old masonry surface scraping by wire brush, applying 125 gm/bag "Triangle shape" polyester fiber "6 mm - long" to be added existing wall surface including plastering in CM 1: 3 in single coat adding 140 ml Super Plasticizer and 250 ml SBR etc complete as per directed by Engineer - in - charge.

GF

Room	1	x	5	x	2	x	4.27		x	3.13	=	133.44
	1	x	5	x	2	x	5.26		x	3.13	=	164.38
bath	1	x	1	x	2	x	1.22		x	3.13	=	7.63
	1	x	1	x	2	x	1.83		x	3.13	=	11.44
Bath/toilet	1	x	4	x	2	x	1.14		x	3.13	=	28.50
	1	x	4	x	2	x	1.83		x	3.13	=	45.75
WC	1	x	3	x	2	x	1.22		x	3.13	=	22.88
	1	x	3	x	2	x	0.99		x	3.13	=	18.56
Wes	1	x	1	x	2	x	1.14		x	3.13	=	7.13
	1	x	1	x	3	x	1.68		x	3.13	=	15.75
Pantry	1	x	1	x	1	x	2.51		x	3.13	=	7.84
	1	x	1	x	2	x	1.00		x	3.13	=	6.25
out/wc/bath	1	x	1	x	1	x	9.18		x	2.15	=	19.74
Stair wall	1	x	1	x	2	x	15.76		x	3.13	=	98.50
Reactor Room	1	x	1	x	1	x	10.66		x	3.13	=	33.31
Servent Room	1	x	1	x	2	x	4.27		x	3.13	=	26.69
	1	x	1	x	2	x	5.26		x	3.13	=	32.88
Pantry	1	x	1	x	2	x	4.27		x	3.13	=	26.69
	1	x	1	x	2	x	5.26		x	3.13	=	32.88
Kitchen	1	x	1	x	2	x	4.27		x	3.13	=	26.69
	1	x	1	x	2	x	5.26		x	3.13	=	32.88
Sick room	1	x	1	x	2	x	3.43		x	3.13	=	21.44
	1	x	1	x	2	x	2.90		x	3.13	=	18.13
Office	1	x	1	x	2	x	3.43		x	3.13	=	21.44
	1	x	1	x	2	x	3.35		x	3.13	=	20.94
otor room	1	x	1	x	2	x	4.80		x	3.13	=	30.00
	1	x	1	x	2	x	5.79		x	3.13	=	36.19
Common room	1	x	1	x	2	x	6.55		x	3.13	=	40.94
	1	x	1	x	2	x	6.40		x	3.13	=	40.00
	1	x	1	x	2	x	4.33		x	3.13	=	27.06
Dining Room	1	x	1	x	2	x	8.77		x	3.13	=	54.81
	1	x	1	x	2	x	7.95		x	3.13	=	49.69
Passage	1	x	1	x	2	x	29.11		x	3.13	=	181.94
	1	x	1	x	1	x	2.51		x	3.13	=	7.84
Wash	1	x	2	x	2	x	1.20		x	3.13	=	15.00
Lecture Room 1,2,3,4	1	x	2	x	4	x	11.90		x	3.40	=	323.68
	1	x	2	x	4	x	8.70		x	3.40	=	236.64
BKM Office	1	x	1	x	2	x	7.70		x	3.40	=	52.36
	1	x	1	x	2	x	7.00		x	3.40	=	47.60
Library	1	x	1	x	2	x	13.80		x	3.40	=	93.84
	1	x	1	x	2	x	16.20		x	3.40	=	110.16
Girls Room	1	x	1	x	2	x	9.27		x	3.40	=	63.04
	1	x	1	x	2	x	7.22		x	3.40	=	49.10

= 2341.59 A

Deduction

W	1/2	x	1	x	9	x	3.05	x	1.22	=	16.74
W1	1/2	x	1	x	4	x	2.13	x	1.22	=	5.20
W3	1/2	x	1	x	4	x	1.60	x	1.22	=	3.90
W4	1/2	x	1	x	1	x	2.51	x	1.22	=	1.53
W6	1/2	x	1	x	1	x	0.91	x	1.22	=	0.56
V	1/2	x	1	x	5	x	0.60	x	0.60	=	0.90
D	3/4	x	1	x	3	x	1.83	x	2.13	=	8.77
D1	3/4	x	1	x	6	x	1.22	x	2.13	=	11.69
D2	3/4	x	1	x	1	x	0.91	x	2.13	=	1.45
D3	3/4	x	1	x	7	x	0.76	x	2.13	=	8.50
Lecture Window	1/2	x	1	x	8	x	1.80	x	1.20		8.64
BKM	1/2	x	1	X	2	x	1.80	x	1.20		2.16
Library	1/2	x	1	x	2	x	2.00	x	1.20		2.40
Girls room Window	1/2	x	1	x	2	x	1.80	x	1.20		2.16
Lecture Door	3/4	x	1	x	2	x	1.20	x	2.10		3.78
Bkm Door	3/4	x	1	x	1	x	1.20	x	2.10		1.89
Library door	3/4	x	1	x	1	x	1.20	x	2.10		1.89
girls room door	3/4	x	1	x	1	x	1.20	x	2.10		1.89

= 84.06 B

Total = (A-B) = 2257.53 Sqm

FF

Room	1	x	10	x	2	x	4.27	x	3.13	=	266.88
	1	x	10	x	2	x	5.26	x	3.13	=	328.75

Toilet area

WC	1	x	2	x	6	x	1.22	x	3.13	=	45.75
	1	x	2	x	6	x	0.99	x	3.13	=	37.13

Bath

	1	x	2	x	2	x	1.22	x	3.13	=	15.25
	1	x	2	x	2	x	1.83	x	3.13	=	22.88
	1	x	2	x	4	x	1.14	x	3.13	=	28.50
	1	x	2	x	4	x	1.83	x	3.13	=	45.75

Wc/bath outer

	1	x	1	x	1	x	17.44	x	2.15	=	37.50
	1	x	1	x	2	x	15.76	x	3.13	=	98.66

Reading room

	1	x	1	x	2	x	7.77	x	3.13	=	48.64
	1	x	1	x	2	x	5.94	x	3.13	=	37.18

Passage

	1	x	1	x	2	x	37.65	x	3.13	=	235.69
	1	x	1	x	2	x	2.51	x	3.13	=	15.71
	-1	x	1	x	1	x	9.77	x	3.13	=	-30.58

D2

	1	x	1	x	2	x	1.00	x	3.13	=	6.26
	1	x	1	x	1	x	9.14	x	1.20	=	10.97

1250.90 A

Ded

W	1	x	1	x	10	x	3.05	x	1.22	=	37.21
W1	1	x	1	x	2	x	2.13	x	1.22	=	5.20

W3

	1	x	1	x	4	x	1.60	x	1.22	=	7.81
	1	x	1	x	6	x	0.60	x	0.60	=	2.16

V

	1	x	1	x	6	x	0.60	x	0.60	=	2.16
	1	x	1	x	2	x	1.83	x	2.13	=	7.80

D

	1	x	1	x	2	x	1.83	x	2.13	=	25.99
	1	x	1	x	10	x	1.22	x	2.13	=	5.81

D1

	1	x	1	x	3	x	0.91	x	2.13	=	19.43
	1	x	1	x	12	x	0.76	x	2.13	=	111.40 B

111.40 B

Total (A-B) = 1139.51

SF

Room	1	x	10	x	2	x	4.27	x	3.13	=	266.88
	1	x	10	x	2	x	5.26	x	3.13	=	328.75

Toilet area

WC	1	x	2	x	6	x	1.22	x	3.13	=	45.75
	1	x	2	x	6	x	0.60	x	0.60	=	2.16

Bath	1 x 2 x 6 x 0.99	x 3.13 = 37.13
	1 x 2 x 2 x 1.22	x 3.13 = 15.25
	1 x 2 x 2 x 1.83	x 3.13 = 22.88
	1 x 2 x 4 x 1.14	x 3.13 = 28.50
	1 x 2 x 4 x 1.83	x 3.13 = 45.75
Wc/bath outer	1 x 1 x 1 x 17.44	x 2.15 = 37.50
Stair wall	1 x 1 x 2 x 15.76	x 3.13 = 98.66
Passage	1 x 1 x 2 x 37.65	x 3.13 = 235.69
	1 x 1 x 2 x 2.51	x 3.13 = 15.71
D2	-1 x 1 x 1 x 9.77	x 3.13 = -30.58
parapet Open tarrace	1 x 1 x 2 x 1.00	x 3.13 = 6.26
	1 x 1 x 1 x 7.77	x 1.20 = 9.32
	1 x 1 x 1 x 3.81	x 1.20 = 4.57
Parapet	Back 1 x 1 x 1 x 37.65	x 1.20 = 45.18
	Left Right 1 x 1 x 2 x 13.94	x 1.20 = 33.46
	Front 1 x 1 x 1 x 53.35	x 1.20 = 64.02
Ded		1310.66 A
W	1 x 1 x 10 x 3.05	x 1.22 = 37.21
W	1 x 1 x 4 x 1.60	x 1.22 = 7.81
V	1 x 1 x 6 x 0.60	x 1.22 = 4.39
D1	1 x 1 x 10 x 1.22	x 2.13 = 25.99
D2	1 x 1 x 2 x 0.91	x 2.13 = 3.88
D3	1 x 1 x 13 x 0.76	x 2.13 = 9.88
		89.15 B
TF		Total(A-B) = 1221.51
Cabin	1 x x x 1 x 14.36 x	x 2.55 = 36.62
Cabin Parapet	1 x 1 x 1 x 14.21 x	x 0.90 = 12.79
D3	-1 x 1 x -1 x 1.20	x 2.10 = 2.52
		Total = 51.93
		Total(GF+FF+SF+TF) = 4670.47
		Sat = 4671.00 Sqmt

Item No.

18

Providing average 10 mm thick in CM 1:3 in single coat polymer plaster adding 140 ml Super Plasticizer and 250 ml by removing the scrapping of old deteriorated plaster of any thickness from Wall/RCC member including stacking of servicable material and disposal of unservicable material from site of work with all lead and lift. After removing the plaster of Wall/RCC, it should clean by Water Jet, Pointing will be done in masonry joints and Bonding coat (Cement+SBR+Water) should apply before poimyer plaster etc complete as per directed by Engineer - in - charge.

GF

Room/pantry/kitchen/servant	1 x 1 x 8 x 4.27 x 5.26	= 179.68
sickroom	1 x 1 x 1 x 3.43 x 2.90	= 9.95
office	1 x 1 x 1 x 3.43 x 3.35	= 11.49
visitor room	1 x 1 x 1 x 4.80 x 5.79	= 27.79
common room	1 x 1 x 1 x 6.55 x 6.40	= 41.92
Passage b/w Common&visitor	1 x 1 x 1 x 2.67 x 6.70	= 17.89
Dining room	1 x 1 x 1 x 8.77 x 7.95	= 69.72
Toilet area	1 x 1 x 1 x 10.90 x 6.74	= 73.47
ots	-1 x 1 x 2 x 1.22 x 1.52	= -3.71
Stair gap	-1 x 1 x 1 x 2.10 x 1.50	= -3.15
passage	1 x 1 x 1 x 13.50 x 2.51	= 33.89
	1 x 1 x 1 x 4.57 x 2.51	= 11.47

Otla	1	x	1	x	1	x	10.00	x	1.83	=	18.30
Chajja	1	x	1	x	1	x	3.05	x	1.52	=	4.64
W	1	x	1	x	9	x	3.35	x	0.45	=	0.00
W1	1	x	1	x	4	x	2.43	x	0.45	=	13.57
W3	1	x	1	x	4	x	1.90	x	0.45	=	4.37
										=	3.42

FF

Room	1	x	1	x	10	x	4.27	x	5.26	=	224.60
Toilet area											
ots	1	x	1	x	1	x	10.90	x	6.74	=	73.47
Stair gap	-1	x	1	x	2	x	1.22	x	1.52	=	-3.71
passage	-1	x	1	x	1	x	2.10	x	1.50	=	-3.15
	1	x	1	x	2	x	13.50	x	2.51	=	67.77
	1	x	1	x	1	x	10.00	x	1.83	=	18.30
Reading room	1	x	1	x	1	x	7.77	x	5.94	=	46.15
Chajja											
W	1	x	1	x	10	x	3.35	x	0.45	=	15.08
V	1	x	1	x	2	x	2.43	x	0.45	=	2.19
W3	1	x	1	x	4	x	1.90	x	0.45	=	3.42

SF

Room	1	x	1	x	10	x	4.27	x	5.26	=	224.60
Toilet area											
ots	1	x	1	x	1	x	10.90	x	6.74	=	73.47
Stair gap	-1	x	1	x	2	x	1.22	x	1.52	=	-3.71
passage	-1	x	1	x	1	x	2.10	x	1.50	=	-3.15
	1	x	1	x	2	x	13.50	x	2.51	=	67.77
	1	x	1	x	1	x	10.00	x	1.83	=	18.30
Chajja											
W	1	x	1	x	10	x	3.35	x	0.45	=	15.08
W3	1	x	1	x	4	x	1.90	x	0.45	=	3.42
Cabin	1	x	1	x	1	x	3.00	x	5.00	=	15.00
out slab at top cabin	1	x	1	x	1	x	13.38	x	0.30	=	4.01
Large Room 1,2,3,4	1	x	1	x	4	x	11.90		8.70	=	414.12
BKM Office	1	x	1	x	1	x	7.70		7.00	=	53.90
Library	1	x	1	x	1	x	13.80		16.20	=	223.56
Girls Room	1	x	1	x	1	x	9.27		7.22	=	66.93
										Total	= 2132.11 Sqm
										Say	= 2133.00 Sqm

Item No. 19

20 mm Thick sand faced cement plaster on walls upto height 10 meters above ground level consisting of 12 mm Thick backing coat of c.m. 1:3 (1 cement : 3 sand) and 8 mm Thick finishing coat of c.m. 1:1 (1 cement : 1 sand) etc. complete.

Outside plaster

Upto Plinth

Back	1	x	1	x	1	x	37.65	x		x	0.75	= 28.24
Left/Right	1	x	1	x	2	x	15.09	x		x	0.75	= 22.64
Front	1	x	1	x	1	x	50.89	x		x	0.75	= 38.17
	1	x	1	x	1	x	3.86	x		x	0.75	= 2.90

Plinth to GF

Back	1	x	1	x	1	x	37.65	x		x	3.20	= 120.48
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Left/Right	1	x	1	x	2	x	15.09	x	x	3.20	=	96.58	
Front	1	x	1	x	1	x	50.89	x	x	3.20	=	162.85	
	1	x	1	x	1	x	3.86	x	x	3.20	=	12.35	
GF to FF													
Back	1	x	1	x	1	x	37.65	x	x	3.20	=	120.48	
Left/Right	1	x	1	x	2	x	15.09	x	x	3.20	=	96.58	
front	1	x	1	x	1	x	48.33	x	x	3.20	=	154.66	
Parapet	1	x	1	x	1	x	9.14	x	x	1.20	=	10.97	
FF to SF													
Back	1	x	1	x	1	x	37.65	x	x	3.20	=	120.48	
Left/Right	1	x	1	x	2	x	13.94	x	x	3.20	=	89.22	
Front	1	x	1	x	1	x	42.65	x	x	3.20	=	136.48	
parapet Open tarrace	1	x	1	x	1	x	7.77	x	x	1.20	=	9.32	
	1	x	1	x	1	x	3.81	x	x	1.20	=	4.57	
Cabin	1	x	x	x	1	x	14.36	x	x	2.55	=	36.62	
Parapet	Back	1	x	1	x	1	x	37.65	x	x	1.20	=	45.18
	Left Right	1	x	1	x	2	x	13.94	x	x	1.20	=	33.46
	Front	1	x	1	x	1	x	53.35	x	x	1.20	=	64.02
 in Parapet		1	x	1	x	1	x	14.21	x	x	0.90	=	12.79
Deduction door/window													
w	1/2	x	-1	x	29	x	3.05			1.22	=	-53.95	
W1	1/2	x	-1	x	6	x	2.13			1.22	=	-7.80	
W3	1/2	x	-1	x	12	x	1.60			1.22	=	-11.71	
W4	1/2	x	-1	x	1	x	2.51			1.20	=	-1.51	
V	1/2	x	-1	x	17	x	0.60			0.60	=	-3.06	
D	3/4	x	-1	x	1	x	1.83	x		2.13	=	-2.92	
									Net Qty =	1338.06			
									Say	1339.00	Sqm		

Item No. 20

Applying two coats of (white cement based) or (acrylic lappy (putty)) or equivalent and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth. for All floor.

As per Item No	17	=	4671.00
As per Item No	18	=	2133.00
		Net Qty =	6804.00
		Say	6804.00 Sqm

Item No. 21

Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.

As per Item No	17		4671.00
		Total =	4671.00 Sqmt
		Say =	4671.00 Sqmt

Item No. 22

Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated ceiling surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.

As per Item No	18		2133.00 sqm
		Total =	2133.00 Sqmt
		Say =	2133.00 Sqmt

Item No. 23

Finishing wall with weather proof exterior acrylic emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete

As per Item No	19	1339.00	sqm
		Total	= 1339.00 Sqmt
		Say	= 1339.00 Sqmt

Item No. 24

Painting Two coats (excluding priming coat) on previously printed steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.

As Per Item No.	1		=	111.53		
D Shutter	1	x 8	x 1.83	x 2.13	=	31.18
Stair Grill	1	x 3	x 5.70	x 1.20	=	20.52
				Total	163.23	
				Say	164.00 Sqm	

Item No. 25

Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint & two coat oil paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins connected to common rafters and the like..

										kg/sqmt	
Lecture 1,23,4	1	x	1	x	4	x	14.10	x	16.50	30.00	= 27918.00
Chemical lab 1,2	1	x	1	x	2	x	16.18	x	31.86	30.00	= 30929.69
Physics Lab 1,2	1	x	1	x	2	x	11.57	x	24.50	30.00	= 17007.90
Biology lab 1,2,3	1	x	1	x	3	x	12.12	x	18.14	30.00	= 19787.11
									Total	95642.70	kg
									Say	95644.00	kg

Providing and fixing of Ridge flashing for roof panel shall be made out of 0.5 mm thick pre coated GI sheet . The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The ridge shall be fixed to the steel members by pop rivet or self drilling/self stitching fastners @ maximum 450 mm c/c along length of capping/flashng etc complete .

Lecture 1,2,3,4	1	x	1	x	4	x	14.10	x	16.50	=	930.60
Chemical lab 1,2	1	x	1	x	2	x	16.18	x	31.86	=	1030.99
Physics Lab 1,2	1	x	1	x	2	x	11.57	x	24.50	=	566.93
Biology lab 1,2,3	1	x	1	x	3	x	12.12	x	18.14	=	659.57
										Total	3188.09
										Say	3188.50 Sqm

Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm @ Wt 1.094 Kg / Rmt, horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt, vertical member of size 61.85 mm x 31.75mm x 1.30 mm @ wt.of 0.0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, @ Wt. 0.457 Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window

GF/FF/SF

W1	1	x	6	x	2.13	x	1.22	=	15.59
W3	1	x	12	x	1.60	x	1.22	=	23.42
W4	1	x	1	x	2.51	x	1.22	=	3.06
							total	=	42.08
							Take	50%	21.04
							Total		21.04
							Say		22.00 Sqm

Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm (of Section no:2459 @ wt.of 0.738 Kg/mt), horizontal Three track member size 92mm x 31.75mm x 1.30mm (of Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame & including at top of window fixing standard extruded colour anodized alluminium frame with 5 mm thick transparent bronze colour tinted float Fixed glass as details etc complete as per details etc

W	1	x	29	x	3.05	x	1.22	=	107.91
							Take	50%	53.95
							Total		53.95
							Say		54.00 Sqm

29

Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized aluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (iii) Partly panelled and partly glazed.

W6	1	x	1	x	0.91	x	1.22	=	1.11
Mathroom 1,2,3,4	1	x	8	x	0.80	x	1.20	=	7.68
								Total	8.79
								Say	9.00 Sqm

30

Providing & Fixing in position standard extruded approved colour anodised Aluminum Ventilator with outer frame 65 x 25 mm Stander Box Frame @ Wt 1.094 kg/Rmt with 5mm bajari figure glass fix louvers fixed to alluminium strip blade and 5mm thick ground glass fixed ventilation on top including all required materials, fixtures, fastenning, labours and equipments as per detailed drawing as directed. For Ventilators V

GF/FF/SF

V	1	x	17	x	0.60	x	0.60	=	6.12
								Total	6.12 Sqm
								Say	6.50 Sqm

31

Removing, Repairing and Refixing Old existing wooden window shutter & Grill including repairing the shutter/frame using Randha machine and replacing fixture and fastening like 4 Hinges, 2 Stoppers 20cm, 1 handle 10cm, 2 hooks & eyes 15cm etc. Appling primer coat + Painting one coat of Wood and Including Glasses 3 mm thick and as directed by engineer in charge etc comp.

Window

W	1	x	29	x	3.05	x	1.22	=	107.91
W1	1	x	6	x	2.13	x	1.22	=	15.59
W3	1	x	12	x	1.60	x	1.22	=	23.42
W4	1	x	1	x	2.51	x	1.22	=	3.06
W6	1	x	1	x	0.91	x	1.22	=	1.11
								Total	151.10 Sqm
								Take	50%
								Say	75.55
									76.00 Sqm

32

moving, Repairing and Refixing Old existing wooden door shutter including repairing the shutter/frame using Randha machine and replacing old fixture and fastening with new SS 304 grade fixtures like 3 Hinges, 1 Stoppers 20cm, 1 Aldrop 25cm, 2 Handle 10cm, 1 Tadi 20cm etc. Appling primer coat + Painting one coat of Wood as directed by engineer in charge etc comp.

Door

D	8	x	1.83	x	2.13			=	31.18
D1	26	x	1.22	x	2.13	=		=	67.56
D2	6	x	0.91	x	2.13	=		=	11.63
Math room 1,2,3,4	4	x	1.20	x	2.00	=		=	9.60
									Total
									119.98
								Take	50% =
									59.99
								Total	59.99 Sqm
								Say	60.00 Sqm

33

Providing and fixing 35 mm thick Pine wood solid 2mm core Vineer core flush door single flush door shutter, solid core for durable grip of hinges & single shutter with required teakwood batten having 1mm thick lamination on both side with both side 15cm long stainless steel handle,S.S. Aldrop 20 Cm long, .S. Stopper 20 Cm long, S.S Hinges and necessary fixtures & fastenings etc. directed by engineer in charge.

Mathroom 1,2,3,4

Math room 1,2,3,4	4	x	1.20	x	2.00		=	9.60
					Take	50%	=	4.80
						Total	4.80 Sqm	
						Say	5.00 Sqm	

Item No. 34

Providing and fixing FRP frame size 100x50mm and 35mm thick FRP shutter with wood grain raised panneled design finish shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected polyurethane foam done in situ along with embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with fastener sleeve & alluminium fixtures & fastenings.

D3 1 x 10 x 0.76 x 2.13

	=	16.19
Total	16.19 Sqm	
Say	17.00 Sqm	

Item No. 35

Providing and laying water proofing treatment by conventional method including cleaning the slab surface by wire brush as directed including providing first layer of C.M. 1:4 of 40 mm thickness mixed with water proofing compound as prescribed by manufacturer, including putting of brick bats of average thickness 40 mm Well immerssed in water laid uniformly on first layer of mortar including applying cement slurry @ rate of 0.08 bag/sqm. on fixed layer of brick bats including maintaining necessary slope, in second layer 40 mm thick C.M 1:4 mixed with water proofing compound as directed, including finishing smooth with cement slurry as directed complete.

FF**Bath/wc**

bath	1	x	2	x	1.22	x	1.83	=	4.47
	1	X	4	X	1.14	x	1.83	=	8.34

WC 1 x 6 x 1.22 x 0.99

=	7.25
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SF**Bath/wc**

bath	1	x	2	x	1.22	x	1.83	=	4.47
	1	X	4	X	1.14	x	1.83	=	8.34

WC 1 x 6 x 1.22 x 0.99

=	7.25
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Total	40.11
Say	41.00 Sqm

Item No. 36

P & L 60x60 cm' Full body vitrified 8 mm thick tile flooring over 20 mm (average)base of cement mortar 1:6 (1cement : 6 coarse sand)on new surface or fixing on existing flooring by adhesive materials including dismentalig of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete including colour approved by directed.

GF

Room/pantry/kitchen/servant	1	x	1	x	8	x	4.27	x	5.26	=	179.68
sickroom	1	x	1	x	1	x	3.43	x	2.90	=	9.95
office	1	x	1	x	1	x	3.43	x	3.35	=	11.49
visitor room	1	x	1	x	1	x	4.80	x	5.79	=	27.79
common room	1	x	1	x	1	x	6.55	x	6.40	=	41.92
Passage b/w Common&visitor	1	x	1	x	1	x	2.67	x	6.70	=	17.89
Dining room	1	x	1	x	1	x	8.77	x	7.95	=	69.72
passage	1	x	1	x	1	x	13.50	x	2.51	=	33.89
	1	x	1	x	1	x	4.57	x	2.51	=	11.47

	1	x	1	x	1	x	10.00	x	1.83	=	18.30
Reactor Room FF	1	x	1	x	1	x	3.89	x	6.40	=	24.90
Room	1	x	1	x	10	x	4.27	x	5.26	=	224.60
passage	1	x	1	x	2	x	13.50	x	2.51	=	67.77
	1	x	1	x	1	x	10.00	x	1.83	=	18.30
Reading room SF	1	x	1	x	1	x	7.77	x	5.94	=	46.15
Room	1	x	1	x	10	x	4.27	x	5.26	=	224.60
passage	1	x	1	x	2	x	13.50	x	2.51	=	67.77
	1	x	1	x	1	x	10.00	x	1.83	=	18.30
										Total	= 1114.49
										Take 65%	= 724.42 Sqm
										Say	= 724.50 Sqm

Item No. 37

60x60 cm full body vitrified 8 mm thick tile in skirting risers of steps and dado on 10 mm thick cement plaster (1cement : 3 coarse sand) and jointed with white cement slurry including finished with flush pointing & cleaning the surface etc. complete including colour approved by directed.

GF

Room/pantry/kitchen/servant	1	x	2	x	8	x	4.27	x	0.10	=	6.83
	1	x	2	x	8	x	5.26	x	0.10	=	8.42
sickroom	1	x	1	x	2	x	3.43	x	0.10	=	0.69
	1	x	1	x	2	x	2.90	x	0.10	=	0.58
office	1	x	1	x	2	x	3.43	x	0.10	=	0.69
	1	x	1	x	2	x	3.35	x	0.10	=	0.67
visitor room	1	x	1	x	2	x	4.80	x	0.10	=	0.96
	1	x	1	x	2		5.79	x	0.10	=	1.16
common room	1	x	1	x	2	x	6.55	x	0.10	=	1.31
	1	x	1	x	2		6.40	x	0.10	=	1.28
Passage b/w Common&visitor	1	x	1	x	2	x	2.67	x	0.10	=	0.53
	1	x	1	x	2		6.70	x	0.10	=	1.34
Dining room	1	x	1	x	2	x	8.77	x	0.10	=	1.75
	1	x	1	x	2		7.95	x	0.10	=	1.59
passage	1	x	1	x	2	x	13.50	x	0.10	=	2.70
	1	x	1	x	2		2.51	x	0.10	=	0.50
	1	x	1	x	2	x	4.57	x	0.10	=	0.91
	1	x	1	x	2	x	10.00	x	0.10	=	2.00
Reactor Room FF	1	x	1	x	1	x	17.71	x	0.10		1.77
Room	1	x	2	x	10	x	4.27	x	0.10	=	8.54
	1	x	2	x	10	x	5.26	x	0.10	=	10.52
passage	1	x	1	x	2	x	13.50	x	0.10	=	2.70
	1	x	1	x	2		2.51	x	0.10	=	0.50

	1	x	1	x	2	x	10.00	x	0.10	=	2.00
Reading room	1	x	1	x	2	x	7.77	x	0.10	=	1.55
	1	x	1	x	2	x	5.94	x	0.10	=	1.19
SF											
Room	1	x	2	x	10	x	4.27	x	0.10	=	8.54
	1	x	2	x	10	x	5.26	x	0.10	=	10.52
passage	1	x	2	x	2	x	13.50	x	0.10	=	5.40
	1	x	1	x	2		2.51	x	0.10	=	0.50
	1	x	1	x	2	x	10.00	x	0.10	=	2.00
										Total	89.65
										Say	89.70 Sqm

Item No. 38

P & L anti skid coloured ceramic tiles 30 x 30 cm size 6 mm thick in flooring treads of steps and landing laid on a bed of 12 mm thick cement mortar 1:3(1-cement:3-coarse sand)finishing with flush pointing in white cement

GF

/bath/Toilet

	1	x	1	x	1	x	10.67	x	5.82	=	62.10
Toilet	1	x	1	x	1	x	1.14	x	1.83	=	2.09
Stair area deduct	-1	x	1	x	1	x	4.40	x	3.00	=	-13.20
Ots	-1	x	1	x	1	x	1.22	x	1.52	=	-1.85
	-1	x	1	x	1	x	1.22	x	1.83	=	-2.23

FF

/bath/Toilet

	1	x	1	x	1	x	10.67	x	5.82	=	62.10
Toilet	1	x	1	x	1	x	1.14	x	1.83	=	2.09
Stair area deduct	-1	x	1	x	1	x	4.40	x	3.00	=	-13.20
Ots	-1	x	1	x	2	x	1.22	x	1.52	=	-3.71

SF

/bath/Toilet

	1	x	1	x	1	x	10.67	x	5.82	=	62.10
Toilet	1	x	1	x	1	x	1.14	x	1.83	=	2.09
Stair area deduct	-1	x	1	x	1	x	4.40	x	3.00	=	-13.20
Ots	-1	x	1	x	2	x	1.22	x	1.52	=	-3.71

Total 141.45
Say 142.00 Sqm

Item No. 39

Providing and laying coloured glazed tiles of the size 300 mm x600 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.

GF

/bath/Toilet

WC/bath	1	x	9	x	1.22		x	2.13	=	23.39
WC	1	x	6	x	1.00		x	2.13	=	12.78
bath	1	x	2	x	1.83		x	2.13	=	7.80
Bath/toilet	1	x	8	x	1.14		x	2.13	=	19.43
	1	x	8	x	5.77		x	2.13	=	98.32
Dress	1	x	2	x	1.14		x	2.13	=	4.86
Passage	1	x	3	x	1.68		x	2.13	=	10.74
Toilet to dress	1	x	1	x	3.51		x	2.13	=	7.48
Pantry	1	x	2	x	2.67		x	2.13	=	11.37
	1	x	2	x	1.83		x	2.13	=	7.80
periphery wc to stair	1	x	1	x	16.75		x	2.13	=	35.68

Deduct Door	D3	-1	x	7	x	0.76	x	2.13	=	-11.33
	D2	-1	x	1	x	0.91	x	2.13	=	-1.94
FF										
WC		1	x	14	x	1.22	x	2.13	=	36.38
		1	x	12	x	1.00	x	2.13	=	25.56
Bath		1	x	4	x	1.22	x	2.13	=	10.39
		1	x	4	x	1.83	x	2.13	=	15.59
Bath		1	x	8	x	1.14	x	2.13	=	19.43
		1	x	8	x	1.83	x	2.13	=	31.18
outer wc/bath		1	x	1	x	15.22	x	2.13	=	32.42
Stair side		1	x	1	x	16.76	x	2.13	=	35.70
Deduct Door	D3	-1	x	12	x	0.76	x	2.13	=	-19.43
	D2	-1	x	1	x	0.91	x	2.13	=	-1.94
SF										
WC		1	x	14	x	1.22	x	2.13	=	36.38
		1	x	12	x	1.00	x	2.13	=	25.56
Bath		1	x	4	x	1.22	x	2.13	=	10.39
		1	x	4	x	1.83	x	2.13	=	15.59
Bath		1	x	8	x	1.14	x	2.13	=	19.43
		1	x	8	x	1.83	x	2.13	=	31.18
outer wc/bath		1	x	1	x	15.22	x	2.13	=	32.42
Stair side		1	x	1	x	16.76	x	2.13	=	35.70
Deduct Door	D3	-1	x	12	x	0.76	x	2.13	=	-19.43
	D2	-1	x	1	x	0.91	x	2.13	=	-1.94
							Total	=	596.93 Sqm	
							say	=	597.00 Sqm	

Item No. 40

Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC
Plinth protection

Plinth protection	Back	1	x	1	x	1	x	40.05	x	1.20	48.06
	Front	1	x	1	x	1	x	47.81	x	1.20	57.37
	Left /Right	1	x	1	x	2	x	13.94	x	1.20	33.46
								Total	=	138.89 Sqm	
								Say	=	139.00 Sqm	

Item No. 41

Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed.

Tarrace

		1	x	1	x	1	x	37.65	x	13.94	=	524.84
		1	x	1	x	1	x	7.77	x	1.14	=	8.86
open tarrace on FF		1	x	1	x	2	x	4.03	x	3.95	=	31.84
	ots	-1	x	1	x	2	x	1.22	x	1.52	=	-3.71
	ots	-1	x	1	x	2	x	5.56	x	2.59	=	-28.80
	ots	-1	x	1	x	2	x	5.56	x	2.67	=	-29.69
		1	x	1	x	1	x	6.30	x	3.85	=	24.26
Library		1	x	1	x	1	x	13.80	x	16.20	=	223.56
								Total	=	751.16		
								Say	=	752.00 Sqm		

Item No. 42

Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (A) 50mm thick.

Tarrace

	1	x	1	x	1	x	37.65	x	13.94	=	524.84
	1	x	1	x	1	x	7.77	x	1.14	=	8.86
open tarrace on FF	1	x	1	x	2	x	4.03	x	3.95	=	31.84
ots	-1	x	1	x	2	x	1.22	x	1.52	=	-3.71
ots	-1	x	1	x	2	x	5.56	x	2.59	=	-28.80
ots	-1	x	1	x	2	x	5.56	x	2.67	=	-29.69
	1	x	1	x	1	x	6.30	x	3.85	=	24.26
Library	1	x	1	x	1	x	13.80	x	16.20	=	223.56
										Total =	751.16
										Say	752.00 Sqm

Item No. 43

Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.

GF/FF/SF	1	x	6	x	30.00	=	180.00
						Total	180.00 Rmt
						Say	180.00 Rmt

Item No. 44

Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.

GF/FF/SF	1	x	3	x	10.00	=	30.00
						Total	30.00 Rmt
						Say	30.00 Rmt

Item No. 45

Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.

GF/FF/SF	1	x	35	=	35.00
				Total	35.00 No
				Say	35.00 No

Item No. 46

Providing and fixing wash down water closet (European type W C pan) with integral P and S trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement five sand) including providing and fixing plastic seat cover for wash down WC with CP brass hinges and rubber buffers back plastic seat and including providing and fixing PVC flushing tank with a pair of C I or MS bracket with complete fitting such as lead valve siphon 15 mm dia brass ball valve with polythene float CP brass handle unions and couplings for connection with inlet out let and over flow pipes 40 mm dia porcelain enameled flush bend including cutting holes in walls and making good the same connection the flush bend with cistern and closet vitreous china.

{Hindustan, Cera, Parryware or equivalent }

GF	1	x	5	=	5.00
FF	1	x	6	=	6.00
SF	1	x	6	=	6.00

Total	17.00	No
Say	17.00	No

Item No. 47

Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same including Brass waste, and M I fisher union fittings including pvc connection and waste pipe & all necessary fittings For All Floor (A) Vitreous China:(ii) Flat Back washbasin 550 mm x v 400mm

1	x	13	=	13.00
Total			13.00	No
Say			13.00	No

Item No. 48

Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (i) 15mm dia.

GF/FF/SF

1	x	35	=	35.00
Total			35.00	No
Say			35.00	No

Item No. 49

Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight (i) Square mouth traps (B) 150mm x 100mm size P or R type

1	x	10	=	10.00
Total			10.00	No
Say			10.00	No

Item No. 50

Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm2 in C.M. 1:5 precast RCC cover 455mm x 610mm intenal dimensions with frame (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete (i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.

1	x	2	=	2.00
Total			2.00	No
Say			2.00	No

Item No. 51

Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg. (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 500mmx 700mm and 450mm deep for single pipe line.

1	x	2	=	2.00
Total			2.00	No
Say			2.00	No

Item No. 52

Providing and laying controlled cement concrete M250 and curing etc. complete including the cost of form work and excluding the cost of reinforcement etc. complete in RCC Vertical and Horizontal wall for First Floor

Vertical wall for Drainage

1	x	2	x	50.00	x	0.23	x	0.50	=	11.50
Total			11.50	Cumt						
Say			11.50	Cumt						

Item No. 53

Providing IS Mark TMT FE 500D bar reinforcement for RCC work including bending & placing in position complete up to All floor Level

Rcc wall	It.No	52	11.50	kg@Cumt	150.00	1725.00
					Total	1725.00
					Say	1725.00 Kg

Item No. 54

Providing & Fixing MS Heavy Duty Trench Drain having rectunguler section 40mmx40mmx5mm at every 10cm and outer rectangular fram section 50mmx50mmx5mm fixing existing trench including three coats (one coat of priming

1	x	1	x	50.00	x	0.60	=	30.00
							Total	30.00
							Say	30.00 Sqmt

[Signature]
Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.



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[Signature]
Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.

As per rate analysis -1

Item No

Providing 15mm thick Smooth cement plaster in single coat on Rough (Similar) side of single or half birck walls / concrete wall for interior plastering and finished even and smooth in C M 1:4 (1 cement : 4 coarse sand) including (1x1)cm groove at juction of structure etc. comp. For Ground floor

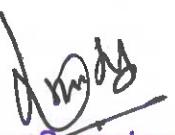
1 Plastering 15mm thick in CM 1:4 {SOR 20-21 I Code 17002B P No.115			101.12
		Total Rs	101.12
	Ground floor	Say Rs.	101.12
			/ SqMt.
Extra for lift {SOR 20-21 I Code 17007A P No.116	15.44		
First floor	101.12	15.44	116.56 / SqMt.
second floor	116.56	15.44	132.00 / SqMt.
Third floor	132.00	15.44	147.44 / SqMt.


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As Per Rate Analysis-2

Item No. 17

Providing average 15 mm thick single coat fiber mortar plaster by removing deteriorated plaster over old masonry surface scraping by wire brush, applying 125 gm/bag "Triangle shape" polyester fiber "6 mm - long" to be added existing wall surface including plastering in CM 1: 3 in single coat adding 140 ml Super Plasticizer and 250 ml SBR etc complete as per directed by Engineer - in - charge.

Consider Area 10.00 SqMt.

Sr No.	Description of item	Qty	Rate	Per	Amount
1	Labour charges for removing the scrapping of old deteriorated plaster of any thickness from wall/Rcc member including stacking of servicable material and disposal of unservicable material from site of work with all lead and lift.	10.00	12.92	Smt	129.20
Item.No.20045, Page.No.128					
2	Rust Remover	1.50	240.00	Ltr.	360.00
3	Labour charges for applying plaster Chemical by brushing or spraying to deteriorated suraface (M.R)	10.00	6.00	Smt	60.00
4	Applying cement slurry work with polymer chemical to the plastering surface, Neat cement slurry with polymer chemical (It.No.17004, Page.No. 115	10.00	31.82	Smt	318.20
5	Providing 15 mm thick cement plaster in CM 1: 3 (It.No.17002A +It.No.17006, P.No. 115,116	10.00	129.78	Smt	1297.80
6	Rusicides rust preventar to existing reinforcement by spray chemical one coat 100 ml/smt @Rs. 400/Ltr. (M.R.)	1.00	400.00	Ltr.	400.00
7	Cost of 140 ml Super Plasticizer cost of Rs 75/Ltr.(M.R)	0.10	75.00	Ltr.	7.50
8	Cost of 250 ml SBR cost of Rs 400/Ltr.(M.R)	0.15	400.00	Ltr.	60.00
9	Cost of 125 gm/bag "Triangle shape" polyester fiber "6 mm - long (M.R.@ Rs.105/- cum)	0.15	105.00	Cum	15.75
				Total	Rs. 2648.45
				Total	Rs. 135.49
				Total	Rs. 2783.94
				for 10 SqMt.	
				=	Rs. 278.39
				per Sqmt	
Add contractor 15% profit For Item No. 2,3,6,7,8,9					
				Average Rate =	
				301.55	
				Say=	
				302.00	
				per Sqmt	

Extra for lift It.No.17007A P.No.

Ground floor			278.39
1st floor	278.39	15.44	293.83
2nd floor	293.83	15.44	309.27
3rd floor	309.27	15.44	324.71

Average Rate =

302.00

per Sqmt


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As Per Rate Analysis-3

Item No. 18

Providing average 10 mm thick in CM 1:3 in single coat polymer plaster adding 140 ml Super Plasticizer and 250 ml SBR by removing the scrapping of old deteriorated plaster of any thickness from Wall/RCC member including stacking of servicable material and disposal of unservicable material from site of work with all lead and lift. After removing the plaster of Wall/RCC, it should clean by Water Jet, Pointing will be done in masonry joints and **Bonding coat** (Cement+SBR+Water) should apply before polymer plaster etc complete as per directed by Engineer - in - charge.

Consider Area 10.00 SqMt.

Sr No.	Description of item	Qty	Rate	Per	Amount
1	Labour charges for removing the scrapping of old deteriorated plaster of any thickness from wall/RCC member including stacking of servicable material and disposal of unservicable material from site of work with all lead and lift.	10.00	12.92	Smt	129.20
Item.No.20045, Page.No. 128					
2	Water Jet	1.00	300.00	Hr.	300.00
3	Applying cement slurry work with polymer chemical to the plastering surface Neat cement slurry with polymer chemical (It.No.17004, Page.No.	10.00	31.82	Smt	318.20
4	Providing 10 mm thick cement plaster in CM 1: 3	10.00	101.43	Smt	1014.30
5	(It.No.17001A +It.No.17006, P.No.170				
6	Cost of 140 ml Super Plasticizer cost of Rs 75/Ltr.(M.R)	0.10	75.00	Ltr.	7.50
7	Cost of 250 ml SBR cost of Rs 400/Ltr.(M.R)	0.15	400.00	Ltr.	60.00
8	Cost of (Dr. Fixit or equivalent brand)curing compound agent Rs.450.00/10 Lit (M.R.)	1.00	45.00	Ltr.	45.00
Add contractor 15% profit For Item No. 2,6,7,8				Total	Rs. 1874.20
Total				Rs.	61.88
Cost of 1.0 Sq.Mt				Rs.	1936.08
=				Rs.	193.61
per Sqmt					

Extra for lift It.No.17007A P.No.170

Ground floor			193.61
1st floor	193.61	15.44	209.05
2nd floor	209.05	15.44	224.49
3rd floor	224.49	15.44	239.93
Average Rate =			216.77
Say =			217.00
per Sqmt			

Shrikant Patel
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Nootan Patel
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As Per Rate Analysis -4

Item No. 30

Providing & Fixing in position standard extruded approved colour anodised Aluminum Ventilator with outer frame 65 x 25 mm Stander Box Frame @ Wt 1.094 kg/Rmt with 5mm bajari figure glass fix louvers fixed to alluminium strip blade and 5mm thick ground glass fixed ventilation on top including all required materials, fixtures, fastenning, labours and equipments as per detailed drawing as directed. For Ventilators V

Considering alluminium ventilation size 1.20 x 1.10 Mt.

opening	1	1	1.20	1.10	1.32	Sq.mt.
Outer and intermediate frame size 63.50 x 38.10 x 1.95 mm size sec.						
Hori.	1	2	1.20	2.40		
Ver.	1	3	1.10	3.30		
				5.70	X	
Add 5% Wastage				0.29		
Total				5.99		1.094
				Rmt.		Kg/Rmt.
						6.56 Kg.

For channel of louvers 9.50x9.50x1.60

2	16	0.1	3.2			
	Total		3.2			
Add 5% Wastage			0.16			
Total			3.36	X	0.15	0.51 Kg.
			Rmt.		Kg/Rmt.	
			Total wt. of sections			7.07 Kg.

Item Code No.M899,Pg.No.

Total cost of alluminium section Rs.

250.00

1767.50

5 mm thick ground glass for glazing

louvers	32	0.53	0.10	=	1.70			
					1.70	X	290.00	491.84
Item Code No M258,Pg.No.10				Sq.mt.			Rs./Sq.mt.	

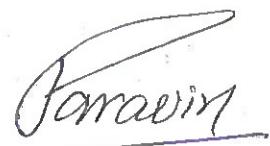
Labour for fixing glass in frame and window in wall

1.20	X	1.10	=	1.32	X	356.20	470.18
SOR 2021-22 Item Code No. I004,Pg.No.				Sq.mt.			Rs./Sq.mt.

		Total cost Rs.	2729.52
Add contractor's profit at rate 15%			
Total cost for 3.42 Sq.mt			

Therefore cost per one square metre = 3138.95 / 1.32 = 2377.99

Rate per Sq.mt = Rs. 2378.00




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Item No.

Rate Analysis

Providing & Fixing MS Heavy Duty Trench Drain having rectangular section 40mmx40mmx5mm at every 10cm and outer rectangular frame section 50mmx50mmx5mm fixing existing trench including three coats (one coat of priming coat + two coats of enamel paint) on new steel and other metal surface with enamel paint, brushing interior to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.

Consider for 1 Sq m.

Details of cost for one Square Metre.

Sr. No.	Description	No.	x	L	x	B	x	H	=	Qty.	Unit
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Size 1 x 1.00 x 1.50 = 1.50 Sq m

1 Fram and inner section

Weight/rmt

section	1	x	4.00		6.57	=	26.28	KG
50mmx50mmx5mm								
section	11	x	1.00		5.4	=	59.40	KG
40mmx40mmx5mm								

Sub Total = 85.68 KG
Add 5 % Wastage = 4.28 KG

2 Painting on both

Size	2	x	1.00	x	1.00	=	2.00	Sq m
							2.00	Sq m

19001 (19.2) + 19002 (19.7)	<u>80.85</u>	161.70			
		125.00			
8 fittings & Hardware including bolts etc.					
10 Labour charges	1 x 1.00	x 1.00 = 1.00 Sq m	LS 200.00	Sub Total ' 200.00	<u>486.70</u>

Hence, Rate For 1.00 Sq m ' 486.70

Say ' 486.70 per Sq m

As Per Rate Analysis-13

Item No.

Providing and laying controlled cement concrete M250 and curing etc. complete including the cost of form work and excluding the cost of reinforcement etc. complete in RCC Vertical and Horizontal wall for First Floor

Consider Size for

	1	3.00	2.00	0.15	0.90	Cmt		
1) Concrete M200					0.90	Cmt	3837.90	
S.O.R 05024KA P49							3837.90	3454.11
Add cement different M200 to M250		0.90	20		18.00	kg	6.76	121.68

2) Formwork required

	Side	2	2.00	0.15	0.60	Sqmt	254.10	152.46
S.O.R It no 09001Q P71		Side	2	3.00	2.00		254.10	3049.20
					12.00	Sqmt	254.10	
Net Total					0.90	Cmt	6777.45	
For					1.00	Cmt	7530.50	

4) Extra for additional lift of concrete for all R.C.C work

	1	Cmt	32.56	Rate
(S.O.R p no 47 It No 05015.A				
	For G.F.	7530.50	+	0.00
	For F.F.	7530.50	+	32.56
	For S.F.	7563.06	+	32.56
	For T.F.	7595.62	+	32.56
	For F.F.	7628.18	+	32.56
				Cmt


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It.No.

Providing and laying water proofing treatment by conventional method including cleaning the slab surface by wire brush as directed including providing first layer of C.M. 1:4 of 40 mm thickness mixed with water proofing compound at rate prescribed by manufacturer, including putting of brick bats of average thickness 40 mm Well immersed in water laid uniformly on first layer of mortar including applying cement slurry @ rate of 0.08 bag/sqm. on fixed layer of brick bats including maintaining necessary slope, in second layer 40 mm thick C.M 1:4 mixed with water proofing compound as directed, including finishing smooth with cement slurry as directed complete.

	Area	1.00 Sq.Mt.	PER	AMOUNT
	QTY.	RATE		
First layer 40 mm. C.M. 1:4 and 40 mm. Brick bats				
1) Cement slurry @ rate of 0.08 bag/sq.mt. Cement	0.08	237.80	bag	19.02
MR				
2) cement Mortar 1:4 ,40 mm. Thick				
Qty. = 1.0 x 0.04 =0.04 Cu.m.	0.04	2802.80	Cu.m.	112.11
{SOR 15-16 I Code 2008A P No.38}				
3) Brick bats				
Qty. = 1.0 X 0.04 = 0.04 Cu.m.	0.04	153.00	Cu.m.	6.12
{SOR 15-16M109 P No 07}				
4) Water proofing compound (Ch.17 It.17.70)				
Qty.= 0.04 x 7.60 = 0.30 bags of cement	0.30	57.55	per bag of cement	17.27
Waterproofing required as directed by manufacturer				
{SOR 15-16 I Code 17005 P No.116}				
5) Labour charges for first layer of mortar and layer of brick bats including cleaning of slab				
A) First class masson,	0.20	303.00	Each	60.60
{SOR 15-16 L018 P No.32}				
B) Mazdoor male	0.25	286.00	Each	71.50
{SOR 15-16 L022 P No.32}				
C) Bhisti	0.10	294.40	Each	29.44
{SOR 15-16 L002 P No.32}				
6) Carraige	LS	3.00	L.S.	3.00
Second layer 40 mm. C.M. 1:4				
1) Cement slurry @ rate of 0.08 bag/sq.mt. Cement on layer of brick bats	0.08	237.80	bag	19.02
2) cement Mortar 1:4 ,40 mm. Thick				
Qty. = 1.0 x 0.04=0.04 Cu.m. (Ch.2 It.2.5.14) mortar	0.04	2802.80	Cu.m.	112.11
3) Water proofing compound (Ch.17 It.17.70)				
Qty.= 0.04 x 7.60 = 0.30 bags of cement	0.30	57.55	per bag of cement	17.27
Waterproofing required as directed by manufacturer				
4) Finishing top with floating coat of cement slurry				
{SOR 15-16 I Code 17004 P No115}	1.00	31.82	Sq.Mt	31.82
5) Labour charges for second layer of mortar and finishing smooth				
A) First class masson	0.10	303.00	Each	30.30
B) Mazdoor male	0.15	286.00	Each	42.90
C) Bhisti	0.10	294.40	Each	29.44
Total Rs.	601.92			

Add 15 % contractors profit on 46.25
Basic Rate of brick bats,cement & labour

Total Rs. 648.17 / Sqm
Say Rs. 648.00 / Sqm

[Signature]
Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.

[Signature]
Honorary Secretary
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As per Rate Analysis-5

Item No. 29

Removing, Repairing and Refixing Old existing wooden window shutter & Grill including repairing the shutter/frame using Randha machine and replacing fixture and fastening like 4 Hinges, 2 Stoppers 20cm, 1 handle 10cm, 2 hooks & eyes 15cm etc. Applying primer coat + Painting one coat of Wood and Including Glasses 3 mm thick and as directed by engineer in charge etc comp.

For 1 no Window

1 **Labour charge for Repairing existing windows using Randha including removing and refixing window shutter, fitting new fixtures, removing and fitting grill**

For 1 no Window	1.20	1.20	1.44	Sqmt	300.00	[1]
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2 **Providing and fixing fixtures** **Rate Rs/No** **Rs**

SS Hinges	4	Nos	64.00	=	256.00
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M735

SS Stopper 30 cm long	2	Nos	213.00	=	426.00
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M706

SS Handle 10 cm	1	Nos	64.00	=	64.00
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M711

Hooks & eyes alum. 15cm	2	Nos	25.00	=	50.00
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M316

Screw,Hails Etc L.S	Lump Sum			=	20.00
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Glasses 3 mm thick	0.72	Sqmt	230.00	=	165.60
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Appling primer coat + Painting one coat {19009B+19012, P no.122, 123}	1.44	Sqmt	63.00	=	90.72
-----------------------------------------------------------------------------	------	------	-------	---	-------

Total Rs	1072.32	[2]
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Total	[1]	[2]			
Total	300.00	+	1072.32	=	1372.32 nos
					111.9
					1484.22
				Say	1030.00 Sqmt

Principa, (I/c.)
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Nootan
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As Per Rate Analysis-6

Item No.

Removing, Repairing and Refixing Old existing wooden door shutter including repairing the shutter/frame using Randha machine and replacing old fixture and fastening with new SS 304 grade fixtures like 3 Hinges, 1 Stopper 20cm, 1 Aldrop 25cm, 2 Handle 10cm, 1 Tadi 20cm etc. Applying primer coat + Painting one coat of Wood as directed by engineer in charge etc comp.

For 1 no door

1 Labour charge for Repairing existing doors using Randha including removing and refixing door shutter, fitting new fixtures, removing and fitting grill

For 1 no door	1.00	2.10	2.10	Sqmt	400.00	[1]
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2 Providing and fixing fixtures

SS Hinges	3	Nos	64.00	=	192.00
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M735 pg no 39

SS Stopper 20 cm long	1	Nos	149.00	=	149.00
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M707 pg no 37

SS Handle 10 cm	2	Nos	64.00	=	128.00
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M711 pg no 38

SS Aldrop 25 cm	1	Nos	383.00	=	383.00
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M709 pg no 37

SS Tadi 30 cm	1	Nos	100.00	=	100.00
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MR

Screw, Hails Etc L.S	Lump Sum	=	50.00
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Appling primer coat + Painting one coat	4.20	Sqmt	63.00	=	264.60
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{19009B+19012, P no. 122,123}

Total Rs	1266.60	[2]
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Total	[1]	[2]		
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Total	400.0	+	1266.60	=	1666.60	nos
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add contractor's profit 15%

Cost of 1.00 nos

Say 912.00 Sqmt




Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.



Intra PLANNER
 ARCHITECTS - ENGINEERS
 87, B-ROAD, PALI HILL-03,
 TITHAL ROAD, OPP. TALAV,
 VALSAD-396001, GUJARAT.
 TEL : 9825143285
 E-MAIL : intraplanner11@gmail.com


Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.

As per Rate analusis-9

Item No. Providing and fixing wash down water closet (European type W C pan) with integral P and S trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement five sand) including providing and fixing plastic seat cover for wash down WC with CP brass hinges and rubber buffers back plastic seat and including providing and fixing PVC flushing tank with a pair of C I or MS bracket with complete fitting such as lead valve siphon 15 mm dia brass ball valve with polythene float CP brass handle unions and couplings for connection with inlet out let and over flow pipes 40 mm dia porcelain enameled flush bend including cutting holes in walls and making good the same connection the flush bend with cistern and closet vitreous china.
(Hindustan, Cera, Parryware or equivalent }

		No	rate	Amount
A	Pro and fix. water closet squatting pan (European type W.C pan) of Vitreous china SOR 2015-16 It Co. 23010 / P -145	1	925.05	Rs 925.05
B	Plastic seat cover with hinge & rubber SOR 2015-16 It Co. 23017 / P -146	1	340.37	Rs 340.37
C	For jet Spary Heavy Duty SS 304 Grade 60 Cm long SOR 2015-16 Pg no-23 M738	1	361.00	Rs 361.00
D	Providing and fixing chromium plated brass half trun flush cock (iii) 25mm dia. SOR 2015-16 It Co. 23032B / P -147	1	288.75	Rs 288.75
E	Flush Tank SOR 2015-16 It Co. M216 / P -9	1	800.00	Rs 800.00
			Add C.P. @15%	174.15
			Total Rs	2889.32
			per No	
			Say	2890.00
			per No	

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B.K.M. Science College,
Valsad, Gujarat, India.




Honorary Secretary
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Valsad.



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As Per Rate Analysis - 11

Item No.	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm2 in C.M. 1:5 precast RCC cover 455mm x 610mm intenal dimensions with frame (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete (i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.
1	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line. (upto 10 ton) {Item code 24016A It. No.24.44 P. No.155
	Rs 2694.30
2	Precast RCC cover M.R.
	Rs 1150.00
	Total Rs 3844.30A
3	CI cover with frame { M113 P. No.7
	Rs 959.00B
	(A - B) Total Rs 2885.30
	per No. Say Rs 2885.00 per No.

Ad
Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.

Nootan
Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.



Intra PLANNER
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Parasir

As Per Rate Analysis -12

Item No.	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4- graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 500mmx 700mm and 450mm deep for single pipe line.	Rs 3416.70
	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4- graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 500mmx 700mm and 450mm deep for single pipe line. (upto 10 ton)	
	{SOR 24016B 24.44 P. No.155}	Rs 3416.70
2	Precast RCC cover M.R.	Rs 1450.00
	Total	Rs 4866.70A
3	CI cover with frame {M118 P. No.0.7}	Rs 1128.00B
	(A - B)	Total Rs 3738.70
		per No.
	Say Rs 3739.00	per No.

[Signature]
Principal, (i/c.)
B.K.M. Science College,
Valsad, Gujarat, India.

[Signature]
Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.

[Signature]
Intra PLANNER
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Name of work :-

**Repairing&Renovation girls Hostal building (B.K.M Science
College) At-Bhagdawada Dist-Valsad
Parking Shade**

ABSTRACT

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2		3	4	5	6
366.00	Cum	1	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil (S.O.R. INO- 04001A- p /31)	77.28 0.77 78.05	Cum 1% LC	28566.30
356.93	Cum	2	Construction of granular sub-base 150 mm thick by providing coarse graded machine crushed B.T. material satisfying MOST specification of grading I (B.T. stone aggregate 53 mm to 26.5 mm 35 %, 26.5 to 4.75 mm - 45 % and 2.36 mm below - 20 %)including spreading in uniform layer with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density etc. complete. Rate Analysis GSB	1104.00 11.04 1115.04	Cum 1% LC	397991.67
187.00	cum	3	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth (S.O.R. INO 05010AA- p /36)33172-142.68	3321.82 33.22 3355.04	cum 1% LC	627392.48

Quantity	Unit	Item No.	Item	Rate	Per	Amount
1	2		3	4	5	6
35694.00	kg	4	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint & two coat oil paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins connected to common rafters and the like.. (S.O.R. INO 11002A- p /69	63.10 0.63 63.73	kg 1% LC	2274778.62
1190.00	Sqm	5	Providing and fixing of Ridge flashing for roof panel shall be made out of 0.5 mm thick pre coated GI sheet . The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The ridge shall be fixed to the steel members by pop rivet or self drilling/self stitching fastners @ maximum 450 mm c/c along length of capping/flashng etc complete . (S.O.R. INO 20057A- p /99	858.39 8.58 866.97	Sqm 1% LC	1031694.30
2380.00	Sqm	6	Providing and fixing pre-cast Rubber Dye inter locking concrete block 60mm thick with grade of concrete M30 pnumatic compressed by mechanically pressed and as per approved design confirming to IS 15658: 2006 including 35mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC SP 63 2018 etc complete. Rate as per Government approved letter No.	733.18 7.33 740.51	Sqm 1% LC	1762413.80

Name of work :- Repairing & Renovation girls Hostal building (B.K.M Science College) At-Bhagdawada Dist-Valsad
 Parking Shade
MEASUREMENT

Item No. 1

Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (A) Loose or soft soil parking 1 x 48.78 x 24.39 x 0.30 = 356.93
 Footing of piler 14 x 0.75 x 0.90 x 0.90 = 8.51
 Total 365.44 Cum
 Say 366.00 Cum

Item No. 2

Construction of granular sub-base 150 mm thick by providing coarse graded machine crushed B.T. material satisfying MOST specification of grading I (B.T. stone aggregate 53 mm to 26.5 mm 35 %, 26.5 to 4.75 mm - 45 % and 2.36 mm below - 20 %) including spreading in uniform layer with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density etc. complete.

parking 2 x 48.78 x 24.39 x 0.15 = 356.93
 shed
 Total 356.93 Cum
 Say 356.93 Cum

Item No. 3

Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth

parking 1 x 48.78 x 24.39 x 0.15 = 178.47
 shed
 Footing of piler 14 x 0.75 x 0.90 x 0.90 = 8.51
 Total 186.97 Cum
 Say 187.00 Cum

Item No. 4

Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint & two coat oil paint. (A) In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins connected to common rafters and the like..

kg

parking 1 x 48.78 x 24.39 x 30.00 = 35693.04
 shed
 Total 35693.04 kg
 Say 35694.00 kg

Item No. 5

Providing and fixing of Ridge flashing for roof panel shall be made out of 0.5 mm thick pre coated GI sheet. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The ridge shall be fixed to the steel members by pop rivet or self drilling/self stitching fastners @ maximum 450 mm c/c along length of capping/flashng etc complete.

parking	1 x 48.78 x 24.39	=	1189.77
		Total	1189.77 Sqm
		Say	1190.00 Sqm

Item No. 6

Providing and fixing pre-cast Rubber Dye inter locking concrete block 60mm thick with grade of concrete M30 pnumatic compressed by mechanically pressed and as per approved design confirming to IS 15658: 2006 including 35mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC SP 63-2018 etc complete.

Paver blocks

parking	2 x 48.78 x 24.39	=	2379.54
		Total	2379.54 Sqm
		Say	2380.00 Sqm

Item No. 7

Providing and Laying homoginious Grey cement based concrete kerbing of size 30 cm x 30 cm x 10 cm size as per detailed drawing having grade of concrete M25 grade, including necessary excavation, BBCC 1:5:10 7.5 cm as per ddetalled drawing fixing in line and level, filling joints in CM 1:3 with smooth finished, white washing three coats etc. complete as directed by Engineer in charge..

Kerb block

parking	2 x 48.78	=	97.56
parking	2 x 24.39	=	48.78
		Total	146.34 Rmt
		Say	148.00 Rmt

[Signature]
Principal, (I/c.)

B.K.M. Science College,
Valsad, Gujarat, India.

[Signature]
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[Signature]
Honorary Secretary
Shree Nootan Kelavani Mandir
Valsad.

Rate Analysis GSB

Item No : 10

Construction of granular sub-base 150 mm thick by providing coarse graded machine crushed B.T. material satisfying MOST specification of grading I (B.T. stone aggregate 53 mm to 26.5 mm 35 %, 26.5 to 4.75 mm - 45 % and 2.36 mm below - 20 %)including spreading in uniform layer with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density etc. complete.

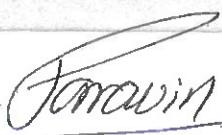
Sr.	Description of Item	Qty.	Unit	Rate	Amount
1	2	3	4	5	6
For 300 Cum					
(A) Labour					
1	Male	0.40	Day	286.00	114.40
2	Mazdoor skilled	2.00	Day	286.00	572.00
3	Mazdoor	8.00	Day	286.00	2288.00
	Total				2974.40
(A)					
(B) Machinery					
1	Motor grader	6.00	Hrs.	1545.00	9270.00
2	Vibratory Roller	6.00	Hrs.	994.00	5964.00
3	Water Tanker	3.00	Hrs.	300.00	900.00
	Total				16134.00
(B)					
(C) Material					
For coarse graded granular sub base Materials as per Table 400-2					
For Grading 1					
1	53mm to 26.5mm @ 35 %	134.40	Cum	878.00	118003.20
2	26.5mm to 4.75mm @ 45%	172.80	Cum	838.00	144806.40
3	2.36mm below @ 20 %	76.80	Cum	617.00	47385.60
4	Cost of water	18.00	KL.	3.00	54.00
	Total				310249.20
[C]					
(D) Add 10 % Contractor's profit and over head charges on A + B					1910.84
Total cost per 300 Cum					331268.44
Cost per 1 Cum		331268.44			1104.23 /Cum
		300			
			Say	Rs.	1104.00 /Cum


Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.


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Valsad.



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Somavir

Trimix Road At B.K.M. Science College, Valsad

Trimix Road as per Below Description:

1. Excavation up to 2'-0" depth
2. Yellow soil filling
3. G.S. B. filling
4. P.C.C. as per design
5. 200 mm Trimix with steel as pre design

Cost per sqft : 450/sqft

Total Area: 25300 .00 sqft

Total Cost is $25300 \times 450 = \text{Rs. } 1,13,85,000.00$

(In words: Rupees One Corer Thirteen Lacs Eighty-Five Thousand Only)

Date :07/01/2026

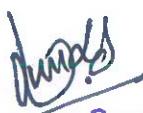
From

 Intra PLANNER


 Principal, (I/c.)
 B.K.M. Science College,
 Valsad, Gujarat, India.



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 Honorary Secretary
 Shree Nootan Kelavani Mandal
 Valsad.

(W)

Detail Project Report of 24 + 1 (25) Seats Computer Lab

(Approx. Area required 500 sq. ft.)

ELECTRONIC GADGETS		Qty.
Master Computer Configuration : with keyboard & mouse with necessary wiring, Licensed Software Windows 10, etc.		1
Form Factor	Tower Cabinet	
CPU	Intel Core I7 processor	
Motherboard	Intel Chipset	
Bus Architecture	Integrated on-board graphics, Integrated Audio	
RAM	8 GB	
Hard disk	1 TB SATA hard disk	
Monitor	18.5" LED	
Individual Branded Computer with keyboard & mouse with necessary wiring, Licensed Software Windows 10, etc.		24
Form Factor	Tower Cabinet	
CPU	Intel Core I5 processor	
Motherboard	Intel Chipset	
Bus Architecture	Integrated on-board graphics, Integrated Audio	
RAM	4 GB	
Hard disk	500 GB SATA hard disk	
Monitor	18.5" LED	
Anti-Virus		
3	ACs with Fittings (Capacity : 1.5 ton each)	2
4	Interactive touch display 75" Supplied with all necessary accessories including wall mount kit	1
5	Home Theatre Sound System	1
TECHNICAL		
1	Computer Lab Installation	
FURNITURE AND FIXTURE		
Wooden Furniture:		
1	Podium	1
	Computer table for Lab Technician	1
	Computer Table for Students	For 24 users
	Miscellaneous wall panelling	



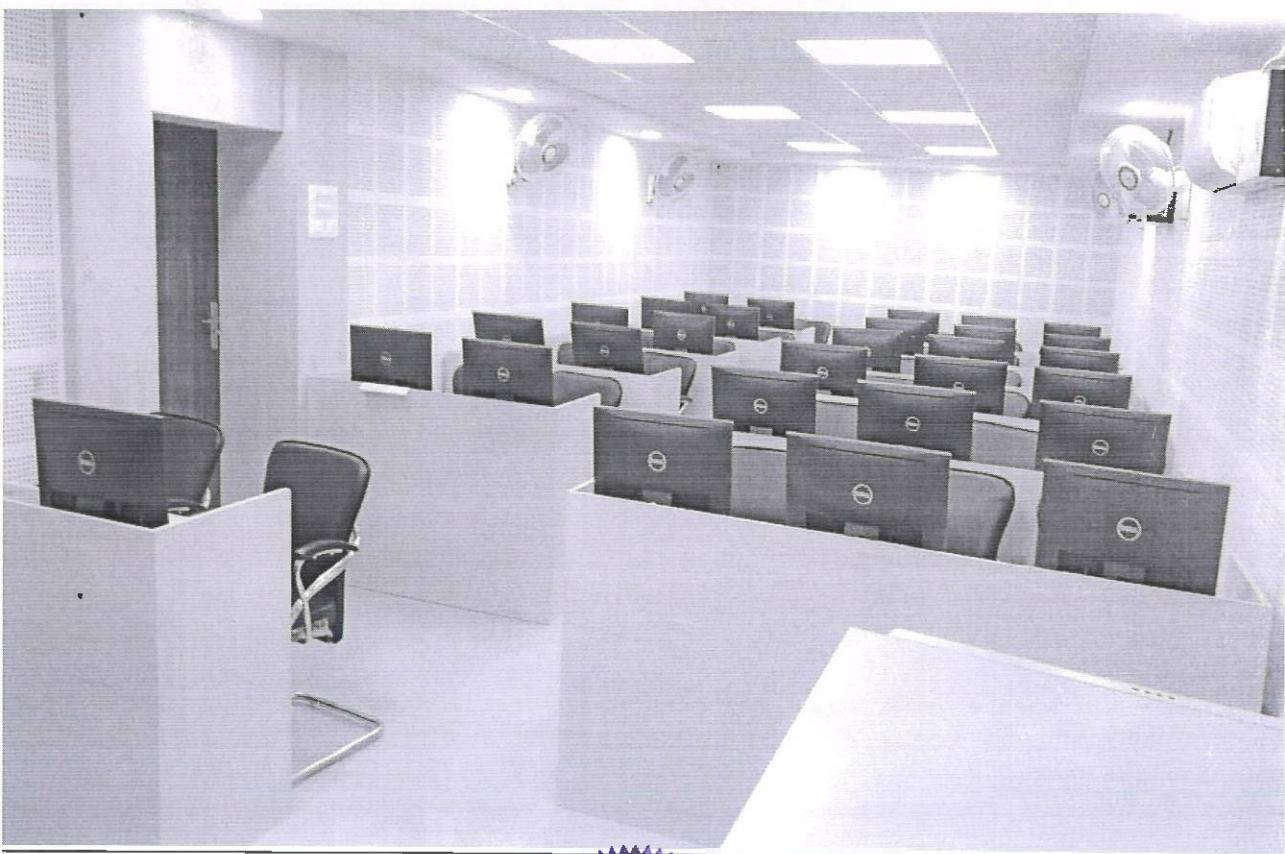
2	Student chair	24
3	Chair for lab technician	1
ACOUSTICS - CEILING - COLOR - ELECTRIFICATION & OTHERS		
1	Acoustics & False ceiling work:	
	(i) Plain gyp-board ceiling	200 sq. ft.
	(ii) Grid ceiling	300 sq. ft.
	(iii) Acoustics work: Gyp. Perforated wall panelling work	700 sq. ft.
2	Colour work (using best quality plastic paint)	
	VI. Ceiling color work with putty etc.	500 sq. ft.
	VII. Vertical wall color work with putty etc.	700 sq. ft.
3	Electrification:	
	XI. 2' x 2' LED fixtures	6
	XII. Round Down Light LED	10
	III. ISI marked Wires, Switches & Metal Boxes, etc.	
	XIV. Wall fan (12" S.S.)	6
	XV. MCB, ELCB, etc.	1 set
4	Minor civil work like closing windows, finishing of wall with material, etc.	
5	Doormat	1
Total Project Cost		29,50,000
GST (18%)		5,31,000
Final Project Cost		34,81,000
Rupees Thirty Four Lacs Eighty One Thousand Only.		

Terms & Conditions:-

- 3.' The above rates include all kind of taxes, labour works, transportation, installation charges, etc.
4. Warranty period for complete one year after installation of Lab.



Proposed Computer Lab Photos:



DPR of Blended learning - MOOCS & Digital recording Studio

(Approx. Area 300 sq. ft.)

ELECTRONIC GADGETS		Qty.
1.	Teacher Computer : Intel Core i-5 Processor, Intel Chipset, 8 GB DDR3/4 RAM, 1 TB Hard Disk, 18.5" LED Screen, Keyboard & Mouse, Graphic Card DDR3 Memory	1
2.	ACs with Fittings (Capacity : 1.5 ton each)	2
3.	Home Theatre Sound System	1
4.	AI Tracking Camera for Instructor: PTC 20MN, camera - AI Tracking Camera for Lecture Tracking - 20 X Zoom, USB, HDMI, IP	1
5.	USB + HDMI PTZ Camera for Student camera: PTC 20N, USB + HDMI + IP + SDI + RS232 1080p60 PTZ Camera - 20 X - NDI	1
6.	Interactive Touch Display (65" size) with all necessary accessories including wall mount kit, etc.	1
7.	Digital Podium with PC	1
INSTALLATION		
1.	MOOC Studio Installation	
FURNITURE AND FIXTURE		
	Wooden Furniture:	
1.	Wooden Door	1
	Teacher table	1
	Miscellaneous wall panelling	
2.	Executive Chair for faculty	1
3.	Specially designed student chair	24
ACOUSTICS - CEILING - COLOR - ELECTRIFICATION & OTHERS		
	Acoustics & False ceiling work:	
1.	(i) Plain gyp-board ceiling	100 sq. ft.
	(ii) Grid ceiling	200 sq. ft.
	(iii) Acoustics work: Gyp. Perforated wall panelling work	720 sq. ft.
2.	Colour work (using best quality plastic paint)	
	I. Ceiling and wall color work	1020 sq. ft.
	II. Polishing work	1020 sq. ft.
3.	Electrification:	
	I. 2' x 2' LED fixtures	6

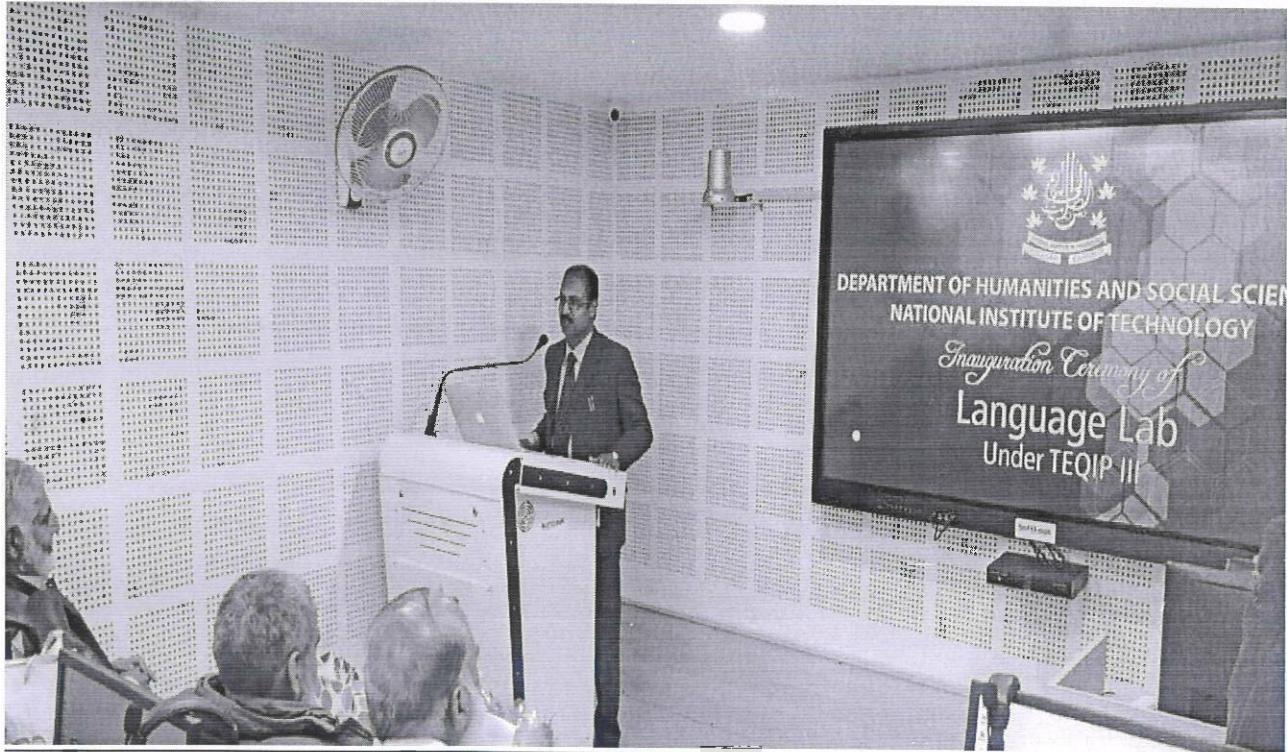


	II. Round Down Light LED	10
	III. ISI marked Wires, Switches & Metal Boxes, etc.	
	IV. Wall fan	4
4.	Civil work like closing windows, Partition of all chambers with material, etc.	
5.	Doormat	1
Basic Project Cost		16,90,000
GST (18%)		3,04,2000
Total Project Cost		19,94,200
Rupees Nineteen Lacs Ninety Four Thousand Two Hundred Only.		

Terms & Conditions:-

1. The above rates include all kind of taxes, labour works, transportation, installation charges, etc.
2. Warranty period for complete one year after installation of Studio.

Proposed Studio Photo:



Details Project Report for 48 Seats Skills Lab

(Approx. Area required 450 sq. ft.)

7

ELECTRONIC GADGETS		Qty.
1.	Master Computer based console with computer & necessary wiring, following add on, etc. 1) Digital Signal Processing facility for audio/video Playback / recording. 2) Audio channels connected to DSP through optical fiber cables. 3) Provision for creating individual audio channels for 8 inputs & 48 outputs. 4) Self-contained for any audio/video application / video conferencing / e-learning / Webinar, etc. 5) Intel Core i-5 Processor, Intel Chipset, 4 GB DDR3/4 RAM, 1 TB Hard Disk, 18.5" LED Screen, Keyboard & Mouse, Graphic Card DDR3 Memory	1
2.	Inverter (1 KVA Capacity)	1
3.	ACs with Fittings (Capacity : 2 ton each)	2
4.	LED TV (55" size) Full High Definition USB, Supplied with all necessary accessories including wall mount kit	1
5.	Home Theatre Sound System	1
6.	Head phone with socket & mic	49

TECHNICAL

1.	Skills Lab Installation
2.	Technical knowhow and Human Resourcing Training for 3 days - one teaching faculty and a technical assistant
3.	Lifetime Licensed modules of English language learning and soft skills
4.	Licensed Software Windows 7/10, Scope, Cubase
5.	Anti-Virus

FURNITURE AND FIXTURE

	Wooden Furniture:	
1.	Wooden Door	1
	Podium	1
1.	Computer table	1
	Console cabinet	1
	Small Cabinet for inverter	1
	Miscellaneous wall panelling using plywood and laminates	
2.	Specially designed student chair	48
3.	Chair for lab technician	1

ACOUSTICS – CEILING – COLOR – ELECTRIFICATION & OTHERS



	Acoustics & False ceiling work:	
1.	(i) Plain gyp-board ceiling	200 sq. ft.
	(ii) Grid ceiling	250 sq. ft.
	(iii) Acoustics work: Gyp. Perforated wall panelling work	350 sq. ft.
	Colour work (using best quality plastic paint)	
2.	III. Ceiling color work with putty etc.	200 sq. ft.
	IV. Vertical wall color work with putty etc.	300 sq. ft.
	V. Polishing work	350 sq. ft.
	Electrification:	
3.	V: 2' x 2' LED fixtures	6
	VI. Round Down Light LED	12
	VII. ISI marked Wires, Switches & Metal Boxes, etc.	
	III. Wall fan	6
	IX. MCB, ELCB, etc.	1 set
4.	Electrification (Master Computer Console wiring with material)	
5.	Civil work like closing windows, finishing of wall with material, etc.	
6.	Course Material for Students - Hard Copy	96 Books
7.	Doormat	1
	Total	40,00,000
	GST (18%)	7,20,000
	Final Project Cost	47,20,000
Rupees Forty Seven Lacs Twenty Thousand Only.		

Terms & Conditions:-

1. The above rates include all kind of taxes, labour works, transportation, installation charges, etc.
2. HR training after installation of Lab.
3. Listening & Recording facilities at all the seats.
4. Warranty period for complete one year after installation of Lab.




Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.

Proposed Skills Lab Photos:



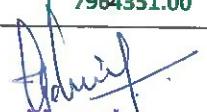
B.K.M.Science College, Valsad

Biology Department

NEP will be implemented so for B.Sc honor's plus one year, M.Sc & Ph.D research we required numbers of instruments. In it B.Sc honor's plus one year, M.Sc & Ph.D scholars needed specific types of instruments in area of research an instruments as below.

SrN	Description of Goods	Company	Code	Qty.	Price/Qty	Total Rate	Total Incl.GST
1	Photo Microscope	Labomade		1	790000	790000	932200.00
2	Fluorescence Microscope			1	315000	315000	371700.00
3	Centrifuge	Bioera	BE/CI/RMC/P-260605	1	265000.00	265000.00	312700.00
	Refrigerator Centrifuge						
4	HPLC	Shimartzu		1	1800000.00	1800000.00	2124000.00
5	Micro Centrifuge	Bioera	PMC/260607	1	49500	49500	58410.00
6	UV Spectrophotometer	Bioera	EQ-826	1	325000.00	325000.00	383500.00
7	Laminar Flow hood	Patel	PSI045	1	225000.00	225000.00	265500.00
	6 X 2 X 2 ft						
8	Microtome	Biocraft	CIM18	1	595000.00	595000.00	702100.00
9	Digital Incubator	Patel	PSI007	1	180000.00	180000.00	212400.00
	24 X 24 X 48						
10	Autoclave	Patel	PSI001	1	157000	157000	185260.00
	55 x 75 Double Wall						
	Fully Automatic						
11	CO2 Incubator	Bioera		1	478000.00	478000.00	564040.00
12	Water Bath	Patel	PSI084	1	28000	28000	33040.00
	30 x 40 x10 Double Wall Argon Welded						
13	Telescope	Labomade	Celestron	1	117500.00	117500.00	138650.00
14	Electronic Balance	Saffron		1	64000	64000	75520.00
	0.1mg						
15	Hot Wave oven	Samsung		1	26000	26000	30680.00
	28 Ltr						
16	PCR	Bioera	BE/CI/PCR/G PCR/-02	1	292000	292000	344560.00
17	Minus 20 Cold Storage	Patel	PSI019	1	210000.00	210000.00	247800.00
18	Gel Electrophoresis	Bioera		1	21800.00	21800.00	25724.00
19	Ultrasonicator	Bioera	BE/CIULS01	1	405000	405000	477900.00
	With Titentium Alloy Tip						
20	rotary vacuum evaporator	Patel	PSI060	1	98000	98000	115640.00
21	Ultra Violet Inspection Cabinet	Patel	PSI072	1	9050	9050	10679.00
22	Rotary Flask Shaker	Patel	PSI061	1	70000	70000	82600.00
	55 x 55 cm						
23	Melting/Boling Point Apparatus	Patel	PSI050	1	43000	43000	50740.00
24	PH meter	Equiptronics	EQ-610A	1	13600	13600	16048.00
25	Kjeldahl Distillation & Digestion unit	Patel	PSI041	1	66000	66000	77880.00
26	Hot Air Oven 24x24x24	Patel	PSI030	1	106000	106000	125080.00
						Total	7964351.00




 Head,
 Biology Department,
 B.K.M. Science College,
 Valsad-396 001.

PROGRAMMABLE MICROCENTRIFUGE: MODEL MINLYN



FEATURES

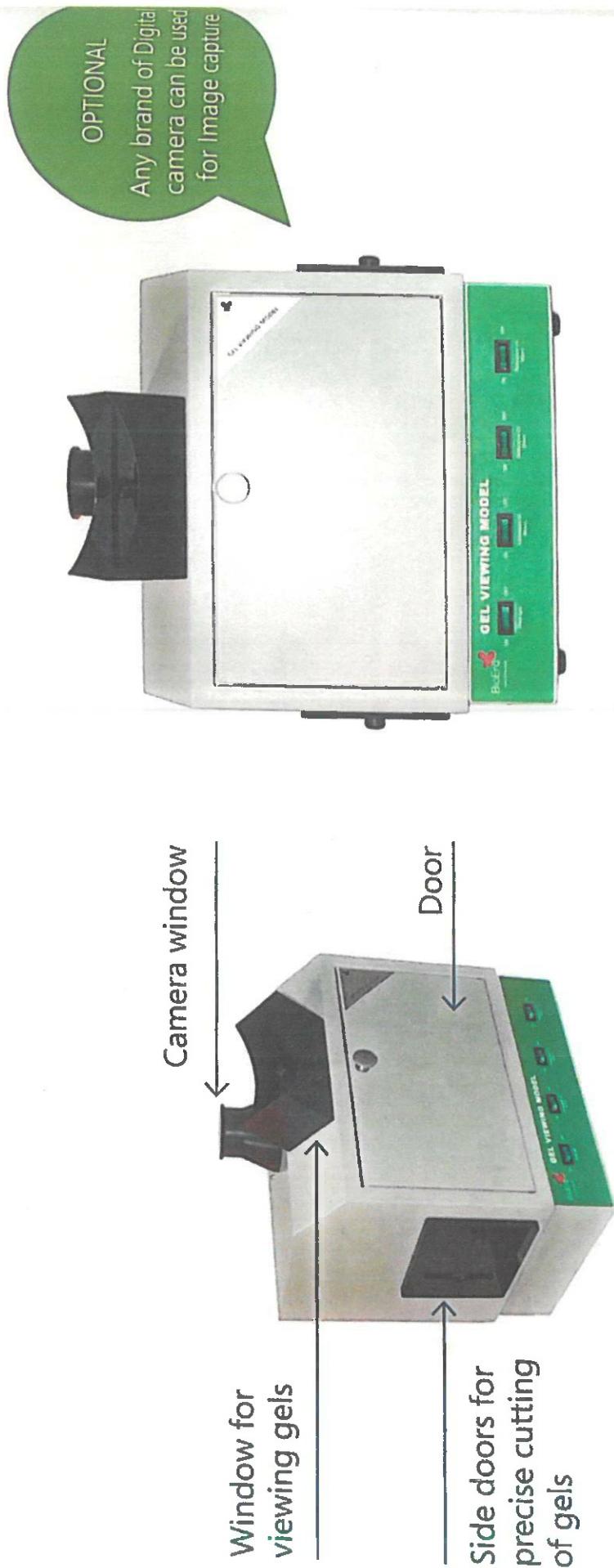
- Rotor capacity: 12 places X 1.5/2ml tubes
- Low working noise i.e. <58 dB
- Automatic Lid release function
- Offers Short Spin key
- Centrifugation speed: 800 – 15000 rpm
- Maximum RCF: 15,100 g
- Timer: 15 seconds to 99 minutes
- Power Supply: 110 V - 240 V; 50 Hz
- Dimensions: 230 x 220 x 130 mm

Complementary Rotor : 12 Places X 1.5/2ml Tubes Worth ₹ 16,000/-

Scanned with CamScanner

GEL VIEWING MODEL ENDURE

BioEra caters two different systems for Gel Imaging depending on the prerequisite of the task. BioEra's 'Gel Viewing Model' is the most economic and highly sensitive option to view fine details of the gel and also to facilitate image capturing with an aid of digital camera.



CAT. NO.: BE/CI/GIS/GVM-01
PRICE : ₹ 1,16,000/-

Scanned with CamScanner

ULTRASONICATOR



TITANIUM ALLOY TIPS



Automatic Motorised Sample Platform



Complementary
Φ6 Tip (Lever)
worth
₹ 54,000/-

CAT. NO.: BE/CI/ULS-01
PRICE : ₹ 3,50,000/-

FEATURES	SPECIFICATIONS
Display	7 Inch Touch Screen LCD Display
Ultrasonic Time Range	0.1 - 9.9 Sec
Time Interval Range	1 - 10000 Sec
Total Ultrasonic Time Setting	999 M
Temperature Protection Range	0 - 99°C
Power Supply	220 V / 110 Ac ±5 %; 50 Hz / 60 Hz
Tip (Lever)	Φ6 (Optional Φ2, Φ3, Φ8, Φ10, Φ12, Φ15, Φ18, Φ20, Φ25, Φ28)
Mainframe Weight	12.2 kg
Sound Abating Chamber Weight	8 kg
Mainframe Size	400 x 280 x 220 mm
Sound Abating Chamber Size	275 x 250 x 480 mm

FUME HOOD MODEL QUELL

FEATURES

- Comes with adjustable air speed
- Pre-filter is made up of polyester fiber, easily washable and with anti-ultraviolet radiation
- Automatic UV lamp off mode function on opening glass of laminar system
- Manual front window is made up of 5mm toughened glass and with anti-ultraviolet radiation



CAT. NO.: BE/CI/LF-02
PRICE : ₹ 82,000/-

TECHNICAL SPECIFICATION

FEATURES	SPECIFICATIONS
Air Flow Direction	Vertical
Air Speed & Range	Initial: 0.6 (m/s) Final: 0.2 (m/s) & 0.2 – 0.6 (m/s)
HEPA Filter	≥99.9% of 0.3um particle
Display	LED
LED Lamp & UV Lamp	8W*1
Top Fan	90W (one piece)
Noise Level	≤62db
Power (50/60Hz)	AC220V/0.5A
Inner Size (W X L X H) mm & Weight	480 X 340 X370 & 36 kg

INCUBATOR & OVEN - DUAL MODE MODEL TWIN

FEATURES

- Horizontal air circularly by double Air ducts
- High efficiency and High Uniformity.
- PID controller, with over-temperature protection function.
- With Oven/Incubator change switch and fan switch
- High temperature blast motor & New anti-hot handle
- LED digital display
- Table top design, compact and light in weight



TECHNICAL SPECIFICATION

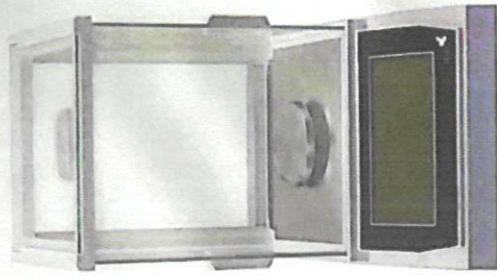
FEATURES	SPECIFICATIONS
Function	Temperature Range Temperature Resolution Ratio Incubator: RT+5 - 80°C Drying oven: 80 - 300°C 0.1°C
Controller	Temperature Control Mode PID Two temperature section intelligent PID Timer 0-9999min (with timing wait function)
	Operation Function Fixed temperature operation, Timing Function, Auto Stop
	Additional Function Sensor deviation correction, temperature overshoot self-tuning,
	Inner Chamber Size (W X L X H) 310 X 310 X 310 mm
Volume	30L
Specification	Shelf number 6
	Load per rack 15kg
	Shelf space 35mm
	Current rating AC220V/3.6A
	New Weight (kg) 33

CAT. NO.: BE/CI/MI-02
PRICE : ₹ 73,000/-

Analytical Balance Model Fien

FEATURES

- Counting percentage,
- Full range tare function
- 18 kinds of units to choose
- Stainless steel pan
- High quality glass windshield with sliding doors
- Comes with standard weight for calibration – 200gm



TECHNICAL SPECIFICATION

CAT. NO.: BE/LE/AB-03
PRICE : ₹ 39,500/-

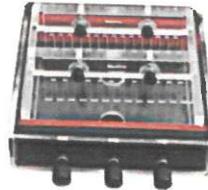
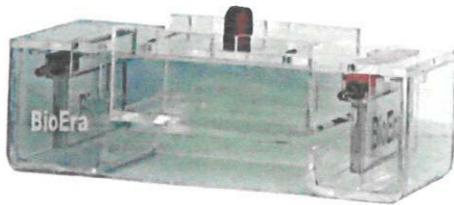
FEATURES	DESCRIPTION
Minimum Capacity	0.1 mg
Maximum Capacity	200 g
Readability	0.1 mg
Stabilization Time	≤8 Seconds
External Calibration Weight	200 g
Windshield Size	175 X 165 X 140 mm
Pan size	Φ 80 mm
Power supply	220 V/ 50 Hz
Dimensions (W x D x H) mm	190 X 285 X 165
Net weight	6 Kg

SUBMARINE GEL ELECTROPHORESIS UNIT

BioEra's Submarine gel electrophoresis units are available in three sizes to fit different needs. The placement ensures a uniform electric field and clear banding. Easy to use gel casting system, rubber and screwing system ensure leak proof casting of gel. No tapes, casting dams or clips required. The tray can withstand hot agarose (as high as 65°C) during casting. Two casting units can be used to run one or two series of samples for sample flexibility.

Electrodes can be easily detached from the unit, which allows easy cleaning and replacement. Systems include Basic Unit (buffer chamber), Gel Preparation Boat, Set of Combs, Gel Casting Unit, and electric cords (see specifications for comb sizes below).

- Appropriate for Agarose gels to study Nucleic acids and Proteins
- Easy replacement of electrodes
- Durable acrylic construction
- Corrosion-resistant platinum electrodes and silver-plated banana plugs
- Fast and flexible
- Easy-to-use and versatile design
- Comes with an easy-to-use gel casting unit
- Detachable color-coded electrodes



Free Gel Caster worth ₹ 2,300/-

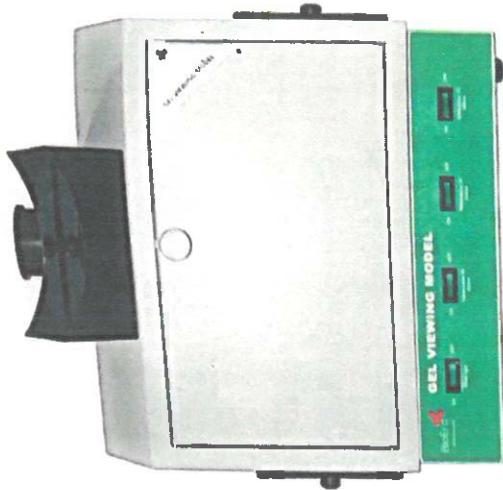
MODEL NAME	MINI SUBMARINE UNIT	MIDI SUBMARINE UNIT	MAXI SUBMARINE UNIT
Catalog No.	SEP-170501	SEP-170502	SEP-170503
Gel Size (W x L) cm	10 X 7	13 X 13	15 X 20
Foot Print (W x L x H) cm	9.2 X 20.5 X 7.4	15.4 X 25 X 7.3	20 X 33 X 11
Running Buffer Volume (ml)	300	550	1500
Sample capacity (ul)	8-30	8-30	8-30
Comb's (No. of Wells)	8, 10, 12	13, 16, 20	15, 20, 26
Price / Unit (₹)	11,500/-	13,800/-	17,800/-

Scanned with CamScanner

GEL VIEWING MODEL ENDURE

BioEra caters two different systems for Gel Imaging depending on the prerequisite of the task. BioEra's 'Gel Viewing Model' is the most economic and highly sensitive option to view fine details of the gel and also to facilitate image capturing with an aid of digital camera.

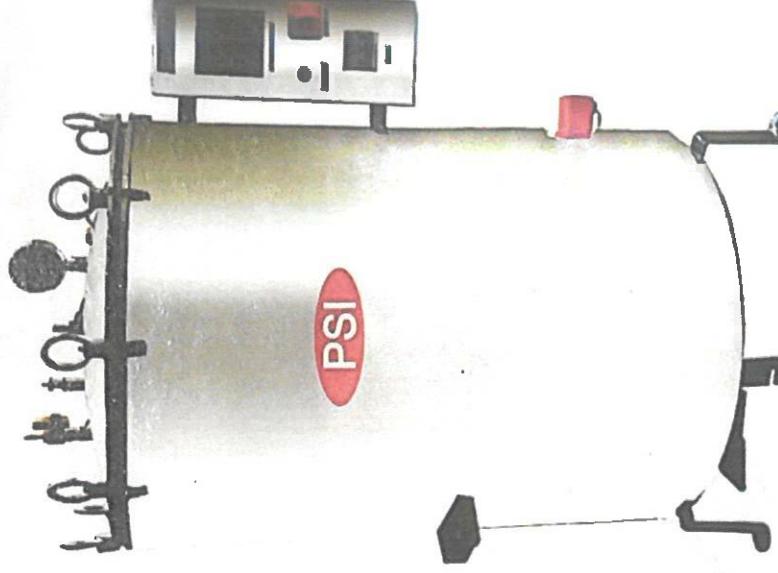
- Unique design and compact look
- High sensitivity for DNA/RNA detection
- Compatible with SyBr green family stains
- Provision of window with UV protecting shield for safety from UV damage
- Quartz ultra violet light for longer shelf life
- Side doors for precise cutting of gels
- Use of white light, 302nm, 254nm and 365nm UV wavelength having emission of average light power on the plate to obtain shadow free images
- Transilluminator is housed in a closed chamber for ease of gel observation and graphic display capturing under daylight
- **White Light Board available at additional price**



CAT. NO.	DESCRIPTION	PRICE / UNIT (₹)
BE/C/GV/GVM-01	GEL VIEWING MODEL ENDURE	1,116,000/-
BE/WLB/01	WHITE LIGHT BOARD	40,000/-

PSI -001 : AUTOCLAVE VERTICAL(DOUBLE WALL)

15 (lbs Pressure Sq/Inch) heavy gauge s.s. 304 Argon welded thick plate/Electrically operated Supplied with pressure gauge, safety valve/ Release valve. Ltd is made of S.S. thick Plate. (Basket extra cost)



PSI-001 : AUTO CLAVE VERTICAL

Size in cms. Ltr. S.S. Complete Basket S.S.

25x45	22	Rs./- 35000	RS./- 2200
30x50	40	Rs./- 36000	RS./- 2600
35x55	52	Rs./- 45000	RS./- 3500
40x60	80	Rs./- 59000	RS./- 4400
45x60	98	Rs./- 68000	RS./- 5500
45x75	120	Rs./- 87000	RS./- 7000
55x75	152	Rs./- 125000	RS./- 9000
55x90	200	Rs./- 162000	RS./- 11000

A. Fully Automatic with Digital Temp. Indicator cum controller cum timer, pressure indicator and Electronic water Level cut off system with Alarm (PSI Make) Rs./-25000

B. Micro Processor PID Controller with Pen Drive or Printer Attachment Rs./-35000

B.K.M. SCIENCE COLLEGE, VALSAD
CHEMISTRY DEPARTMENT

Requirement of Instruments for the year of 2023-24 . Chemistry Department U.G.

Sr. No.	Name of the Instruments	Quantity require	Price	Total
			Rs. Ps.	Rs. Ps.
1	Digital Balance ACZED Model No. CY 223	03 Pcs	28120.00/PC	84,360.00
2	Concuctometer Model No.667 With Extra Electrode Equiptronics	05 Pcs	12512.00/PC	62,560.00
3	PH Meter Model No.610 With Extra Electrode Equiptronics	05 Pcs	11432.00/PC	57,160.00
4	Digital Colorimeter Model No.650 with extra Cuate -10Pcs Equiptronics	05 Pcs	11040.00/PC	55,200.00
5	Digital Colorimeter Filter Model No.650	02 Pcs	13200.00	26,400.00
6	Digital Polarimeter Equiptronics -802	03 Pcs	78200.00/PC	2,34,600.00
7	Photophone Over Head Projector	03 Pcs	16165.00/PC	48,495.00
8	Deep Freezer Cap:300 lit.	01 Pcs	26000.00/PC	26,000.00
9	Waterbath	02 Pcs	19318.00/PC	38,636.00
10	Concuctometer Electrode EQ-708 A Unbreakable APH Sleeved Model N	05 Pcs	2668.00/PC	13,340.00
11	Conductivity Cell (K=1) Platinum			
	PH meter Cell EQ-700 Unbreakable APH Sleeved Glass + Reference Comin	05 Pcs	1550.00/PC	7,750.00
			Total Rs.	6,54,501.00



HEAD
CHEMISTRY DEPARTMENT
B. K. M. SCIENCE COLLEGE,
VALSAD.

Authorised Stockist : Fisher Scientific
Qualikems Fine Chem Pvt. Ltd.
Goal Scientific Glass Works
: Merck Himedia, Borosil
Dealers in : Glassworks, Chemical, Filter Paper,
Suppliers of : Instruments, Imported Brand

DIPTI BUNGLOW, C ROAD, PALIHILL-3, TITHAL ROAD, VALSAD-396 001. Email : c4chiragm@gmail.com

Quotation No. 04/10/2223

Ph.: 98252 94447, 94271 54073

Date :- 04/10/22

DIPTI CHEMICAL

House of Glassware, Chemicals & Instrument

TO,
The Principal
B.K.M.Science College
Valsad.

QUOTATION

SR. NO.	NAME OF APPRATUS	PRICE	PER
1	Digital Balance Aczed Model No. CY223 (External Calibration)	35700/-	each
2	Digital Balance Aczed Model No. CY223 (Internal Calibration)	44200/-	each
3	Conductometer model No.660B With extra electrode	12512/-	each
4	Phmeter Model No. 610 With Extra Electrode	11432/-	each
5	Digital Colormeter Model No. 650 With Extra Cuate-10pcs	11040/-	each
6	Digital Polarimeter EQ 801	46000/-	each
7	Digital Polarimeter EQ 802	78200/-	each

TERMS

18% VAT EXTRA
PAYMENT 30 DAYS
DELIVERY 10 DAYS
FREE DELIVERY

THANKING YOU

FOR DIPTI CHEMICAL

C.M. Patel

CHIRAG PATEL



HEAD
CHEMISTRY DEPARTMENT
B. K. M. SCIENCE COLLEGE,
VALSAD.

B. K. M. SCIENCE COLLEGE
VALSAD
13/10/2022

Authorised Stockist : Fisher Scientific
 Qualikems Fine Chem Pvt. Ltd.
 Goal Scientific Glass Works
 : Merck Himedia, Borosil
 Dealers in : Glassworks, Chemical, Filter Paper,
 Suppliers of : Instruments, Imported Brand

DIPTI BUNGLOW, C ROAD, PALIHAM-3, TITHAL ROAD, VALSAD-396 001. Email : c4chiragm@gmail.com
 Ph.: 98252 94447, 94271 54073

Quotation No. 04/10/2223

Date :- 04/10/22

DIPTI CHEMICAL

House of Glassware, Chemicals & Instrument

TO,
 The Principal
 B.K.M.Science College
 Valsad.

P.G

QUOTATION

SR. NO.	NAME OF APPRATUS	PRICE	PER
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4	Phmeter Model No. 610 With Extra Electrode	11432/-	each
5	Digital Colormeter Model No. 650 With Extra Cuate-10pcs	11040/-	each
6	Digital Polurimeter EQ 801	46000/-	each
7	Digital Polurimeter EQ 802	78200/-	each
	Heating Mental-0` to 350` 500ml.	2250/-	each
8	Heating Mental Normal 500ml.	1750/-	each
	Heating Mental 0` to 350` 250MI	2050/-	each
9	Heating Mental Normal 250MI	1650/-	each
10	Magnetic Starier With Hatplate 2mlh	8445/-	each

13/10/2022



HEAD
 CHEMISTRY DEPARTMENT
 B. K. M. SCIENCE COLLEGE,
 VALSAD.

SHREE GANESHY NAMAH

VEDANT ENTERPRISE

AUTHORISED DEALER : FISHER SCIENTIFIC, ACROS ORGANIC,
TOSHNIVAL INSTRUMENTS , MN GERMANY,
LOBA CHEMIE PVT.LTD., ALFA ASSR.

DEALERS IN : E -MERCK CHEMICALS ,WHATMAN FILTER PAPER,
BOROSIL, SCHOT DURAN, IMPORTED CHEMICALS,
HIMEDIA ITEMS, PALL CORPORATION, MILLIPORE,
VEEGO INSTRUMENT, JAYMET INSTRUMENT.

REG.OFF. - NEAR STATE BANKOF INDIA, PO. CHANVAI, VIA.ATUL,
D-VALSAD-396020 .

CONTACT- . M-9924471317, 9512712405, 9664941122
Email- niljeet_ve@yahoo.co.in

OFFICE- B.G.POINT,DHARAMPUR CHOKDI,OPP.INDIAN OVERSEAS BANK,
VALSAD.

DATE - 23/09/2022

TO,

BKM SCIENCE COLLEGE
VALSAD.

**HEAR ATTACH RATE FOR DESIRE PRODUCTS. LOOKING FOR GOOD
BUSSINES FROM YOU**

TERMS AND CONDITION—

**## DELIVERY---APPROX WITHIN 7-15 DAYS AT YOUR SITE
PAYMENT--- 30 DAYS.
TAXES--- 18% GST**

THANKS & REGARDS----

OFFICE-
VEDANT ENTERPRISE
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B.G.POINT, VALSAD. OPP.INDIAN OVERSEAS BANK,
M-9924471317, 9512712405.

EMAIL- niljeet_ve@yahoo.co.in

GODAWON —

AT & PO.CHANVAI,VIA-ATUL,D-VALSAD.
M-9664941122

Vedant Enterprise
Near SBI, Po. Chanvai,
Via. Atul, Dist. Valsad-396001.
Mo. 9924471317

FOR VEDANT ENTERPRISES
N. J. Desai
PROPRIETOR

HEAD
CHEMISTRY DEPARTMENT
B. K. M. SCIENCE COLLEGE,
VALSAD.



13/10/2022

B.K.M SCIENCE COLLEGE , CHEMISTRY DEPARTMENT, UNDER GRADUATED						
SR NO.	NAME OF THE INSTRUMENTS	QUANTITY REQUIRY	MAKE	CAT NO	PACK SIZE	RATE
1	DIGITAL BALANCE ACZED MODEL NO.CY 223	02 PCS	ACZET	CY223		29800/- ✓ NET
2	CONCUCTOMETER MODEL NO.660B	03 PCS	EQUIPTRONICS	EQ-660 B		10368/- ✓ NET
3	PH METER MODEL NO.610	03 PCS	EQUIPTRONICS	EQ-610		10080/- ✓ NET
4	DIGITAL COLORIMETER MODEL NO.650	02 PCS	EQUIPTRONICS	EQ-650		10560/- ✓ NET
5	DIGITAL POLARIMETER	02 PCS	EQUIPTRONICS	EQ.801		48000/- ✓ NET
6	CUVET FOR COLORIMETER SET OF 5					830/- ✓ NET
7	ELECTRODE FOR PH METER		EQUIPTRONICS			1750/- ✓ NET
8	ELECTRODE FOR EQ660B CONDUCTIVITY METER		EQUIPTRONICS	K = 1		2668/- ✓ NET

Vedant Enterprise
 Near SBI, Po. Chanvai,
 Via. Atul, Dist. Valsad-396001.
 Mo 9924471317

FOR VEDANT ENTERPRISES
 N. J. Desai
 PROPRIETOR



HEAD
 CHEMISTRY DEPARTMENT
 B. K. M. SCIENCE COLLEGE,
 VALSAD.

B.K.M SCIENCE COLLEGE, CHEMISTRY DEPARTMENT, POST GRADUATED							
SR NO.	NAME OF THE INSTRUMENTS	QUANTITY REQUIRY	MAKE	CAT NO	PACK SIZE	RATE	
1	DIGITAL BALANCE ACZET MODEL NO. CY 223	02 PCS	ACZET	CY223		29800/- ✓	NET
2	CONDUCTOMETER MODEL NO.660B	02 PCS	EQUIPTRONICS	EQ-660 B		10368/- ✓	NET
3	PH METER MODEL NO.610	02 PCS	EQUIPTRONICS	EQ-610		10080/- ✓	NET
4	DIGITAL COLORIMETER MODEL NO.650	02 PCS	EQUIPTRONICS	EQ-650		10560/- ✓	NET
5	PHOTOPHONE OVER HEAD PROJECTOR	02 PCS					
6	FREEZER CAP:300 LIT	01 PCS					
7	MAGNETIC STIRRER 2MLH	05 PCS	REMI	2MLH		8400/- ✓	NET
8	HEATING MENTLE CAPACITY 250 ML 350 DGREE	05 PCS				1350/- ✓	NET
9	HEATING MENTLE CAPACITY 500 ML 350 DGREE	05 PCS				1410/- ✓	NET
10	ICE CRUSHER MACHINE WIRELESS PORTABLE ELECTIC	02 PCS					
11	CUVET FOR COLORIMETER SET OF 5					830/- ✓	NET
12	ELECTRODE FOR PH METER		EQUIPTRONICS			1750/- ✓	NET
13	ELECTRODE FOR EQ660B CONDUCTIVITY METER		EQUIPTRONICS	K = 1		2668/- ✓	NET

Vedant Enterprise
Near SBI, Po. Chanvai,
Via, Atul, Dist. Valsad-396001.
Mo. 9924471317

FOR VEDANT ENTERPRISES

N. J. Deka
PROPRIETOR

HEAD
CHEMISTRY DEPARTMENT
B. K. M. SCIENCE COLLEGE,
VALSAD.



SHASHVAT ENTERPRISE

Address:

SHASHVAT ENTERPRISE
6/496/6-7, Opposite Sattapir
NAVSARI- 396 445
Tel: (02637)250132
Mob: 09824188802
Email:
shashvatenterprise@gmail.com

Ref No: / EC / INST / 2022-23 Date: 19/09/2022

To

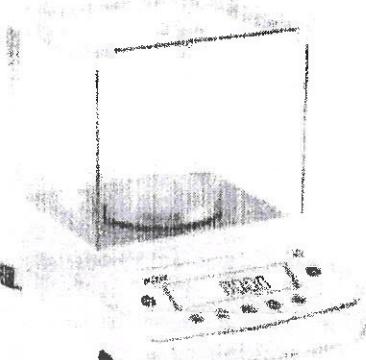
BKM Science College
Thithal Road
Valsad

Your Ref : Enquiry No: Chem/410/2022-23 dt 15/09/22

(Chemistry Department U.G.)

Dear Sir,

Reference to above mentioned your enquiry, we give below our competitive quotation

Sr. No.	Description	Price
1	Precision Balance CY Series Aczet make Cap: 220gm Readability: 0.001gm Repeatability: 0.001gm (SD) Linearity (+/-) : 0.002gm Pan Size: 110mm Calibration: Automatic External Calibration 	28120/PCS ✓
2	DIGITAL CONDUCTIVITY (EC) METER Microprocessor based with inbuilt STD Conductance. Table top model with six ranges from 0.05µS to 200mS. EQ660B Accessories include (Electrode Cell K=1, stand set and screwdriver). DIP AND READ	10430/PCS ✓
2 a	Conductivity Cell (K = 1). Slim size for low volume. Unbreakable APH body (Extra Conductivity Cell) EQ708 A (for Model EQ660B)	2675/PCS ✓
2	DIGITAL pH METER (0-14pH) Microprocessor based with inbuilt Electronic buffers, Include Unbreakable combined electrode and Accessories (stand set, screwdriver, buffer tablets) EQ610	10145/PCS ✓
3 a	Combined Electrode (Glass+ Reference KCL filled). Slim size for low volume. Unbreakable APH body. EQ 700 (for Model EQ610)	1550/PCS ✓
4	DIGITAL PHOTOELECTRIC COLORIMETER Microprocessor Based Square APH Test Tube Having Low Volume (2.5mL). Dual Display. 3 digits for O.D. & 3 digits for wavelength. 10 Inbuilt Digital Filters. Reads OD & %T. Feather Touch Switches. Accessories (set of 5 matched cuvettes EQ-APHCL). UPGRADED.	10615/PCS ✓



HEAD
CHEMISTRY DEPARTMENT
B. K. M. SCIENCE COLLEGE,
VALSAD.

✓
2019/09/22

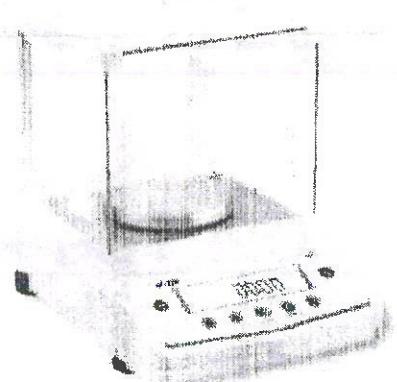
✓
2019/09/22

4 a	Colorimeter Square APH Test Tube. Matching set - 5 Pcs. EQ-APHCL	990/PCS
5	DIGIPOL DIGITAL POLARIMETER Microprocessor based with electronic sensor for accuracy & repeatability. With 10 & 20 cms unbreakable PVC tube. EQ-801 AUTOPOL DIGITAL POLARIMETER Microprocessor based fully automatic. One button reading. With 10 & 20 cms unbreakable PVC tube.	50160/PCS 84810/PCS

(Chemistry Department P.G.)

Dear Sir,

Reference to above mentioned your enquiry, we give below our competitive quotation

Sr. No.	Description	Price
1	Precision Balance CY Series Aczet make Cap: 220gm Readability: 0.001gm Repeatability: 0.001gm (SD) Linearity (+/-) : 0.002gm Pan Size: 110mm Calibration: Automatic External Calibration	28120/PCS
		
2	DIGITAL CONDUCTIVITY (EC) METER Microprocessor based with inbuilt STD Conductance. Table top model with six ranges from 0.05 μ S to 200mS. EQ660B Accessories include (Electrode Cell K=1, stand set and screwdriver). DIP AND READ	10430/PCS
2 a	Conductivity Cell (K =1). Slim size for low volume. Unbreakable APH body (Extra Conductivity Cell) EQ708 A (for Model EQ660B)	2675/PCS
2	DIGITAL pH METER (0-14pH) Microprocessor based with inbuilt Electronic buffers, Include Unbreakable combined electrode and Accessories (stand set,screwdriver, buffer tablets) EQ610	10145/PCS
3 a	Combined Electrode (Glass+ Reference KCL filled). Slim size for low volume. Unbreakable APH body. EQ 700 (for Model EQ610)	1550/PCS
4	DIGITAL PHOTOELECTRIC COLORIMETER Microprocessor Based Square APH Test Tube Having Low Volume (2.5mL). Dual Display. 3 digits for O.D. & 3 digits for wavelength.10 Inbuilt Digital Filters. Reads OD & %T. Feather Touch Switches. Accessories (set of 5 matched cuvettes EQ-APHCL). UPGRADED.	10615/PCS
4 a	Colorimeter Square APH Test Tube. Matching set - 5 Pcs. EQ-APHCL	990/PCS
5	Photophone Over Head Projector	
6	Freezer Cap: 300ltr Blue Star Freezer Cap: 300ltr Voltas Freezer Cap: 300ltr Hair	27000/PCS 26000/PCS 28000/PCS
7	Magnetic Stirrer 2 liters capacity with hot plate and Digital Speed Indicator Remi2MLH	8100/PCS
8	Heating Mantles,: MS powder coated Aluminium metal body With energy regulator, switch and indicating lamp, max temp (approx. 400 °C). Rivotek make Cap: 250ml	2180/PCS
9	Heating Mantles,: MS powder coated Aluminium metal body With energy regulator, switch and indicating lamp, max temp (approx. 400 °C). Rivotek make Cap: 250ml	2485/PCS



HEAD
CHEMISTRY DEPARTMENT
B. K. M. SCIENCE COLLEGE,
VALSAD.

SB/19/182

Prices : FOR VALSAD

Taxes: GST Extra as applicable as per government rules

Delivery: 3-4 weeks after receipt of your confirm order

Payment: within 30 days

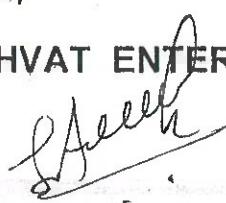
We are awaiting your valuable order.

If any confusion please feel free to contact us.

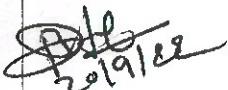
Thanking you,

Yours Truly

For SHASHVAT ENTERPRISE



OUR GST NO : 24AOOPS1504D1Z7



HEAD
CHEMISTRY DEPARTMENT
B. K. M. SCIENCE COLLEGE,
VALSAD.

INSTRUMENTS CENTRE
 (LABORATORY INSTRUMENTS & EQUIPMENTS)

11C, MT High School
 1ST Floor,
 KHAMBHAT - 388620
 Dist: Anand
 (Gujarat)
 FAX: 02698220023
 Mobile: 09427062572
 E-mail: icma44@hotmail.com
 E-mail: icma44@gmail.com

GSTIN # 24AMZPM4855A1ZS

Sent through Professional Couriers

Our reference # 21

22 September 2022

Principal

B.K.M. Science College
 Moghabhai Vidyasankul,
 Morarji Nagar
 Tithal Road
 VALSAD 396001

Sir,

Your enquiry # Chem./410/2022-23
 Dated 15 September 2022 for instruments for
UG/PG Chemistry Departments

We thank you for your above stated enquiry. In response, we are pleased to submit our quotation as under:

Sr. No.	Name of the instrument required	Model	Unit price per number Rs.
	CHEMISTRY DEPARTMENT U. G. / Requirement of 2022-2023		
01	CONTECH Weight & Measure Department, Government Of India certified, high Precision digital laboratory balance with Breeze Shield <ul style="list-style-type: none"> Capacity 220g Accuracy 0.001g Capacity 120g Accuracy 0.001g 	CAH-223 CAH-123	30600 28400
02	EQUIPTRONICS digital Conductivity meter, microprocessor based designed, with inbuilt STD Conductance, with six ranges, from 0.001µS to 200mS, complete with Cell (K=1) stand for Cell and accessories, DIP & READ type model	EQ-660B	11100
03	EQUIPTRONICS digital pH meter, microprocessor based design, with 4 digit LED display, with inbuilt electronics BUFFER complete with combined pH electrode, patch cord, stand for electrode and accessories	EQ-610	10800
04	<ul style="list-style-type: none"> EQUIPTRONICS digital photoelectric colorimeter, microprocessor based design, with square cuvettes, matched set of 5 cuvettes, breakage protected, fixed point insertion in the slot, with a set of separate 8 imported filters, READS %T and OD, with required accessories <p>ALTERNATIVELY</p> <ul style="list-style-type: none"> Same as above but with inbuilt disc mounted filters instead of separate filters Extra spare set of 5 cuvettes as above models 	EQ-650	11300
05	<ul style="list-style-type: none"> EQUIPTRONICS digital Polarimeter, microprocessor based design, with electronic sensor for accuracy & repeatability, complete with 10cm and 20cm unbreakable PVC tubes <p>ALTERNATIVELY</p> <ul style="list-style-type: none"> Same as above but fully automatic, reading by press of one button, 	EQ-801 EQ-802	51000 86000



HEAD
 CHEMISTRY DEPARTMENT
 B. K. M. SCIENCE COLLEGE
 VALSAD.

Shel 13/10/2022

CHEMISTRY DEPARTMENT P.G. / Requirement of 2022-2023			
01	CONTECH Weight & Measure Department, Government Of India certified, high Precision digital laboratory balance with Breeze Shield <ul style="list-style-type: none"> Capacity 220g Accuracy 0.001g Capacity 120g Accuracy 0.001g 	CAH-223 CAH-123	✓ 30600 ✗ 28400
02	EQUIPTRONICS digital Conductivity meter, microprocessor based designed, with inbuilt STD Conductance, with six ranges, form 0.001 μ S to 200mS, complete with Cell (K=1) stand for Cell and accessories, DIP & READ type model	EQ-660B	✓ 11100
03	EQUIPTRONICS digital pH meter, microprocessor based design, with 4 digit LED display, with inbuilt electronics BUFFER complete with combined pH electrode, patch cord, stand for electrode and accessories	EQ-610	✓ 10800
04	<ul style="list-style-type: none"> EQUIPTRONICS digital photoelectric colorimeter, microprocessor based design, with square cuvettes, matched set of 5 cuvettes, breakage protected, fixed point insertion in the slot, with a set of separate 8 imported filters, READS %T and OD, with required accessories <p>ALTERNATIVELY</p> <ul style="list-style-type: none"> Same as above but with inbuilt disc mounted filters instead of separate filters Extra spare set of 5 cuvettes as above models 	EQ-650 EQ-650A EQ-APHCL	✓ 11300 11800 1050
05	BOSS S12 Latest Year 3D Projector Portable Screen With WIFI (3100 lm / Wireless / Remote Controller) Portable Projector (White) <ul style="list-style-type: none"> Projector Type: Full HD Chipset: LED Maximum Projection Distance: 15 ft Lamp Life: 60000 hr Resolution: 1920X1080 pixel Aspect Ratio: 4:3, 16:9, 16:10 Maximum Brightness: 3100 lm 	S12	✓ 16165
06	<p>Voltas 320 L Double Door Standard Deep Freezer (White, CF HT 320 DD P) You can freeze and store additional food items, including cold cuts, meat, and much more, in the Voltas 320 L Hard Top Chest Freezer. Its compact design takes up minimal space in the kitchen while allowing ample storage space. Also, a door lock on this chest freezer keeps children from opening it without permission. Furthermore, fitted with smooth castor wheels, this chest freezer can be moved with ease to a different spot when required.</p> <p>Door Lock A safety lock on this chest freezer's door helps restrict accessibility to kids. So if you have popsicles in it, your kids won't be able to sneak some out.</p> <p>Castor Wheels Fitted with castor wheels, this chest freezer allows effortless and quick mobility when you need to move it to a different position.</p>	CF HT 320 DD P	✓ 34090
07	REMI Magnetic Stirrer with hot plate, capacity 2L, with digital speed indicator	2MLH	✓ 9200
08	Heating Mantle, with energy regulator & pilot lamp, temperature up to 450°C without load, Capacity 250ml, rating watts 150	L-662-03	✓ 1400
09	Heating Mantle, with energy regulator & pilot lamp, temperature up to 450°C without load, capacity 500ml, rating watts 200W	L-662-04	✓ 1550
10	Ice Crushing machine, portable, mechanical drive by hand wheel (Photo attached) Electrical Ice Crushing machine Photo attached.		✓ 6500 6700

Our terms and conditions are as under:

Prices

The prices quoted are inclusive of packing, forwarding and freight charges up to your college laboratory

Discount

We shall allow 7.5% discount on EQUIPTRONICS instruments & 5% discount on other instruments.

GST

Extra @ 18%

Mode of delivery

The instruments ordered will be delivered to your college in one lot

Installation & demonstration at your college

We shall charge lump sum amount of Rs.4750/- extra towards demonstration and Installation by our engineer at your college laboratory



HEAD
CHEMISTRY DEPARTMENT
B. K. M. SCIENCE COLLEGE,
VALSAD.

Instruments required in Physics Department

Sr. No.	Apparatus Name	Price	Qnt.	Total
1	Ohms law Apparatus Omega	7650	4	30600
2	Newton's ring readymade instrument	5500	2	11000
3	Characteristics of BJT (CE configuration)	4200	4	16800
4	Characteristics of photocell complete app.	3600	4	14400
5	Force constant (k) of a spring appts.	2500	4	10000
6	Wattage of a Lamp	2700	6	16200
7	SOLENOID Study of magnetic field due to solenoid	8500	4	34000
8	Torsional pendulum app. With stand	3500	4	14000
9	Zener diode as a voltage regulator	3700	4	14800
10	Study of rectifiers (Half wave and Full wave rectifier) complete appts.	3500	4	14000
11	Study of decay of current in RC circuit	3700	4	14800
12	Low resistance by Wheatstone's bridge method of projection complete Appts.	4000	2	8000
13	Cardinal points of a lens system placed in Air (complete appts. With optical bench)	3000	2	6000
14	Cathetometer 50cm L shaped	9600	5	48000
15	Digital multi range DC Voltmeter EQ-300	3100	5	15500
16	Digital multi range DC current meter EQ-310	3400	5	17000
17	Digital multi range AC current meter EQ-315	3400	2	6800
18	VTVM Model EQ - 218 Digital	7550	5	37750
19	Field Effect Transistor (FET) Characteristic Apparatus QT1302	5100	2	10200
20	Q-Tech Thermister characteristics	8100	2	16200
21	Nortons Theorem With two digital meters	3200	2	6400
22	Thevenins Theorem With two digital meters	3200	2	6400
23	Polarimeter + tube	8125	2	16250
24	Energy Gap of semiconductor diode with meters	7900	2	15800
25	To find stopping potential using photocell	2800	2	5600
26	To determine lattice parameters of a cubic single crystals structure (From XRD pattern)	12250	2	24500
27	Malu's law apparatus	26500	2	53000
28	Sodium vapour Lamp complete with wooden box & Transfomer	5250	6	31500
29	Mercury vapour Lamp complete with wooden box & Transfomer	1650	6	9900
30	Digital stopwatch Racer	600	20	12000



Sr. No.	Apparatus Name	Price	Qnt.	Total
31	Digital stopwatch working Voltage 230 volts A.C.	3100	2	6200
32	Vernier Caliperse (Japan make) 0.01cms (imported)	1000	12	12000
33	Micrometer screw 0.001 cms (imported)	900	6	5400
34	Spectrometer Scale 9" vernier reading to 1 minute	19500	6	117000
35	Owen's Bridge	6350	2	12700
36	Anderson Bridge	7050	2	14100
37	Post office Box	6100	2	12200
38	Volt Meter 0-10 DC	450	10	4500
39	Volt meter 0-250v AC	530	2	1060
40	Belastic Galvanometer 200 Ω	5600	4	22400
41	Belastic Galvanometer 500 Ω	5600	2	11200
42	Belastic Galvanometer 50 Ω	5600	4	22400
43	Grating	1200	6	7200
44	Insulated Socket Terminal BT-15(Taper) Red - 50Black - 50	50	100	5000
45	Banana pin with wire	100	50	5000
46	Digital Multimeter	2500	4	10000
47	K/e by Transistor	8250	2	16500
48	To Study characteristics of Solar cell	6100	4	24400
49	To study divergence of LASER beam	28000	2	56000
50	To determine wavelength of LASER beam using plane transmission Grating	38700	2	77400
51	To determine the dielectric constant of a given liquid by Schering bridge.	20285	2	40570
52	To determine the Boltzmann's constant using V-I characteristics of PN diode	12735	2	25470
53	To study series resonance in LCR circuit	4700	2	9400
54	Computer Desktop (For T.Y.B.sc programming experiments)	40000	5	200000
55	Laptop (For T.Y.B.sc programming experiments)	60000	5	300000
56	HP Smart Tank 750 Wi Fi Duplexer All-in-One Printer with ADF and Smart Guided Button	25000	1	25000
57	GONIOMETER SEARLE'S for measurement of focal length of an optical system	8900	1	8900
58	BI-PRISM ASSEMBLY complete Appts.	16500	1	16500
59	LDR Characteristics Apparatus	3000	2	6000
60	C.R.O (Cathod ray Oscilloscope)	80000	3	240000
61	OPTICAL BENCH FULL SHAPER DOUBLE ROD WITH 1.5METER BRASS	16000	5	80000
62	Flywheel (Diameter 20cm (8") With revolution counter	3000	2	6000
63	Digital weight machine	15000	1	15000
64	Resistance Box 500 Plug Type	1000	10	10000



Sr.	Apparatus Name	Price	Qnt.	Total
No.				
65	Resistance Box 5000 Plug Type	1200	10	12000
66	Lamp & Scale	2500	5	12500
67	Wave meter	3000	2	6000
68	A.F.O. 1 Hz to 10 MHz digital	10000	4	40000
69	e/m thompson method complete instrument	16500	2	33000
70	AC bridges	8000	2	16000
71	Wheatstone bridge	8000	2	16000
72	Multimeter digital	3000	10	30000
73	Telescope (celestion Nexstar 102 SLT	120000	1	120000
74	D.C.Micro voltmeter, Model DMV-02	25500	1	25500
75	General Purpose 2MHz Function generator (FG200)	18000	1	18000
76	Hall Coefficient of Given Semiconductor To Study Hall Effect in Semiconductors	78000	1	78000
77	A.C.Millivoltmeter, Model ACM-203(True rms)	15600	1	15600
78	A.C.Millivoltmeter, Model ACM-20(True rms)	18900	1	18900
79	Audio Frequency Oscillator (AF10)	14400	1	14400
80	Digital High voltage Power Supply, Model DHV-15	18000	1	18000
81	Power Supply, Model PS-20			
	(i) Current : 0-1 Amp. Continuously variable	7500	1	7500
	(ii) Current : 0-2 Amp. Continuously variable	9000	1	9000
82	Study of Hybrid Parameters of a Transistor	33000	1	33000
83	Study of Basic Operational Amplifier, Type-741 (For DC)	11700	1	11700
84	Study The Application Of Operational Amplifier Type-741	15000	1	15000
85	Study of an Integrated Circuit Timer-555	9000	1	9000
86	Study Of Integrated Circuit Regulator Type-723	7500	1	7500
87	To Study the Frequency Response of single stage Common Emitter R-C coupled amplifier with with and without feed-back with built-in power supply.	7800	1	7800
88	Study of a Two-Stage Transistor Amplifier (R.C. Coupled) Cum Feed Back Amplifier,	7500	1	7500
89	Study of Multivibrators With Built-In Power Supply	8100	1	8100
90	Measurement of I_D Vs. V_{DS} and Pinch off Voltage Using the Characteristics of Junction Field Effect Transistor (JFET) Type BFW-10,	7800	1	7800
91	To Study the Characteristics of PN Junction diodes	7800	1	7800
92	Transistor Characteristics (PNP) Input, output and transfer characteristics in CB &CE Configurations.	11700	1	11700
93	To Study the Characteristics of SCR (Silicon Controlled Rectifier)	10900	1	10900
94	Digital weight machine 0 to 5 kilogram	15000	1	15000



Sr. No.	Apparatus Name	Price	Qnt.	Total
95	To Study Logic Gates as Binary Counters of Count-By 2,4,8,16 and Verify its Truth Table. Complete in all respect.	6300	1	6300
96	To Study 8 Bits Analog To Digital Converter (ADC)	10500	1	10500
97	To Study 8 Bits Digital To Analog Converter (DAC)	10900	1	10900
98	To Study Logic Gates AND, OR, NOT, NOR, X-OR, NAND and Buffer using IC's and to Make OR, NOR, NOT, AND & X-OR Gates using NAND Gates and Verify Their Truth Tables Complete with 5V regulated supply , 04 NAND gates, and 05 dula input gates, logic level,02 logic level indicator and Patch chords	6300	1	6300
99	To Verify the Truth Table of Full and Half Adder using AND,OR& EX-OR Gates Complete with 5V supply, logic level and logic level indicators, patch chords and manual. Complete in all respect with manual	3600	1	3600
100	To Study Boolean Algebra using Logic Gates and Verify	11100	1	11100
Total Amt.				<u>2,654,800.00</u>

Devu
Principal,
B.K.M. Science College
VALSAD - GUJARAT



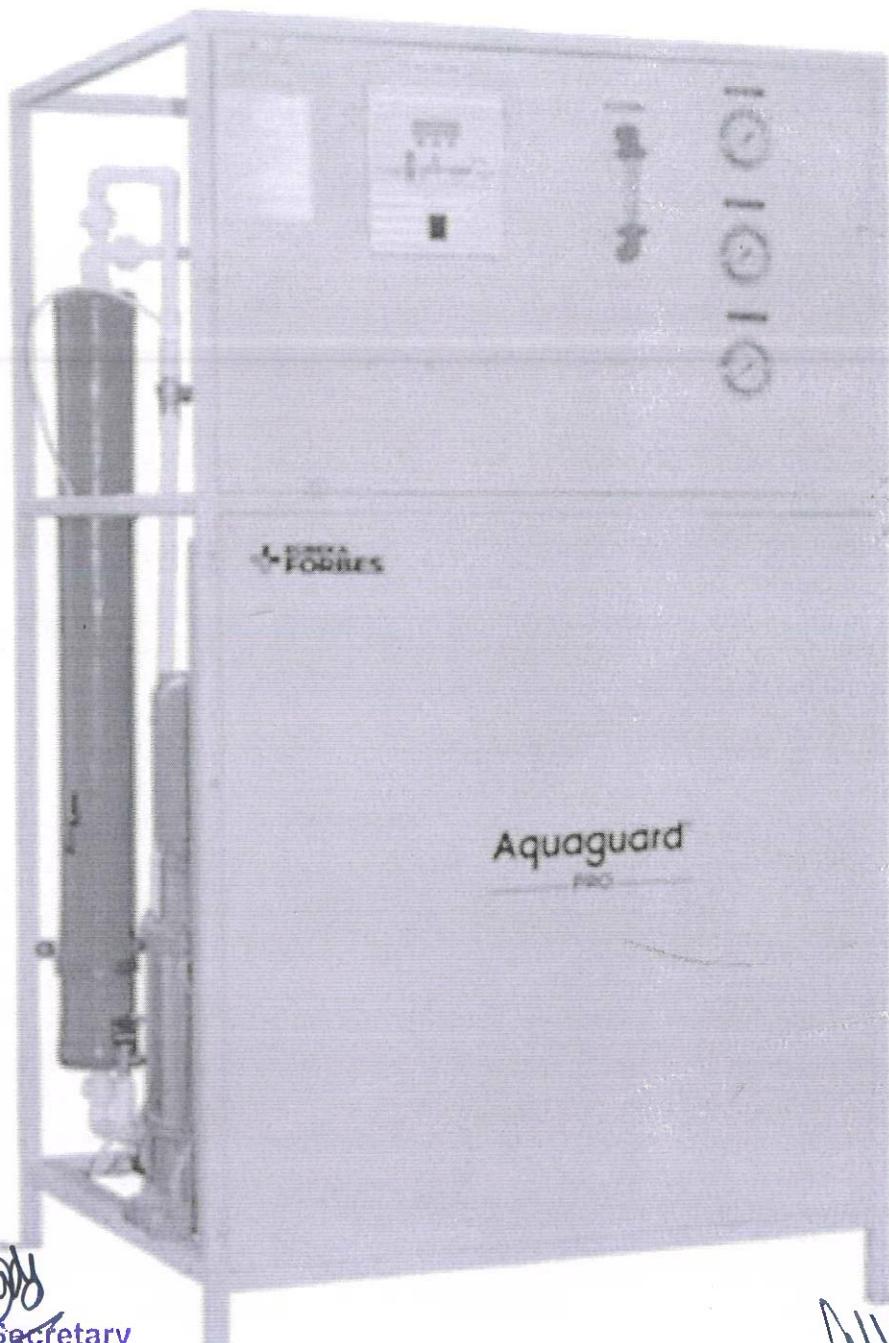
Mash
HEAD
PHYSICS DEPARTMENT
B.K.M. SCIENCE COLLEGE
VALSAD

Aquaguard RO-1000 Commercial RO Plant, RO Capacity: 1000 LPH

₹ 7,49,000

★★★★★ 4.8(16)

65



Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.

Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.



Product Specifications



SAGAR SPORTS

Wholesale & Retail Suppliers of Sports Equipment, Trophy,
Exercise Equipments etc.

Mahatma Gandhi Road, VALSAD-396 001.

No. : 190

Date 29/3/23

M/s. B.R.M Science College, Valsad

Sr. No.	DESCRIPTION	QTY.	RATE Rs. Ps	Amount Rs. Ps.
(1)	Huddle	10 pgs	41000/-	10000/-
(2)	High Jump Stand	1 pc	5000/-	5000/-
(3)	• Cycle	2 pc	15000/-	30000/-
(4)	Hockey Goal Post	2 pc	1500/-	30000/-
(5)	" Goal Keeper Kit	1 set	28000/-	28000/-
(6)	" Stick	6 pc	2000/-	12000/-
(7)	Archery	1 pc		20,000/-
(8)	Rajdhoot	1500/-		15000/-
(9)	Pistol Shooty	1 set		22000/-
(10)	Long Tennis Racket	2 pc	5000/-	10000/-
(11)	" Ball	12 nos	400/-	1600/-
(12)	Chess Board	4 pc	500/-	2000/-
(13)	Boxing Kit	1 pc		5000/-
(14)	Garam Board	4 pc	5000/-	20000/-
(15)	Dumbells 5K.G x 2 pc	10K.G	160/-	1600/-
	10K.G x 2 pc	20K.G	160/-	3200/-
(16)	Table Tennis Bat	10 pgs	600/-	6000/-

Krunal

(01-24-2027 (P) 25/03/23)

SAGAR SPORTS

TERMS:

M.G. Road, VALSAD - 396 001

(1) Payment to be made by A/c Payee Cheque within 15 days

Subject to VALSAD Jurisdiction

For, SAGAR SPORTS

Krunal
Proprietor

SAGAR SPORTS

Wholesale & Retail Suppliers of Sports Equipment, Trophy,
Exercise Equipments etc.

Mahatma Gandhi Road, VALSAD-396 001.

192

No. :

Date : 29/7/23

M/s. B.K.M. Science College
Valsad

Sr. No.	DESCRIPTION	QTY.	RATE Rs. Ps.	Amount Rs. Ps.
(1)	Cricket Bat	5pcas	6000/-	30000/-
(2)	Battij Pad	14 Jodi	1500/-	6000/-
(3)	Helmet Shrey	2pcas	1500/-	3000/-
(4)	Stump	4 Jodi	800/-	3200/-
(5)	Cricket Ball S 5	12pcas	550/-	6600/-
(6)	" Tennis Bat	4 pcas	1200/-	4800/-
(7)	Tennis Ball	24pcas	50/-	1200/-
(8)	Badminton Racket	5 pcas	2000/-	10000/-
(9)	Shuttlecock Yonex	5 Box	2200/-	11000/-
(10)	Turf of Ward	2 pc	6000/-	12000/-
(11)	Table Tennis Ball	1 pc		25000/-
(12)	Volleyball	4 pc	1000/-	4000/-
(13)	Volleyball Net	3pc	1000/-	3000/-
(14)	Volleyball Pole	2 Jodi	6000/-	12000/-
(15)	Shot Put Men	2pc	1200/-	2400/-
(16)	" " Women	2 pc	920/-	1840/-
(17)	Javelin Men	2 pc	1000/-	2000/-
(18)	Woman	2 pc	1000/-	2000/-
	Discus Men	2 pc	1000/-	2200/-
	W SAGAR SPORTS	10. 241507 (R). 256537	900/-	1800/-

TERMS :

(1) Payment to be made by A/c. Payee Cheque within 15 days

Subject to VALSAD Jurisdiction

M.G. Road, VALSAD - 396 001

For, SAGAR SPORTS

Kiran

Proprietor

Detail Project Report of Smart Class with Interactive Touch Display and Digital Podium

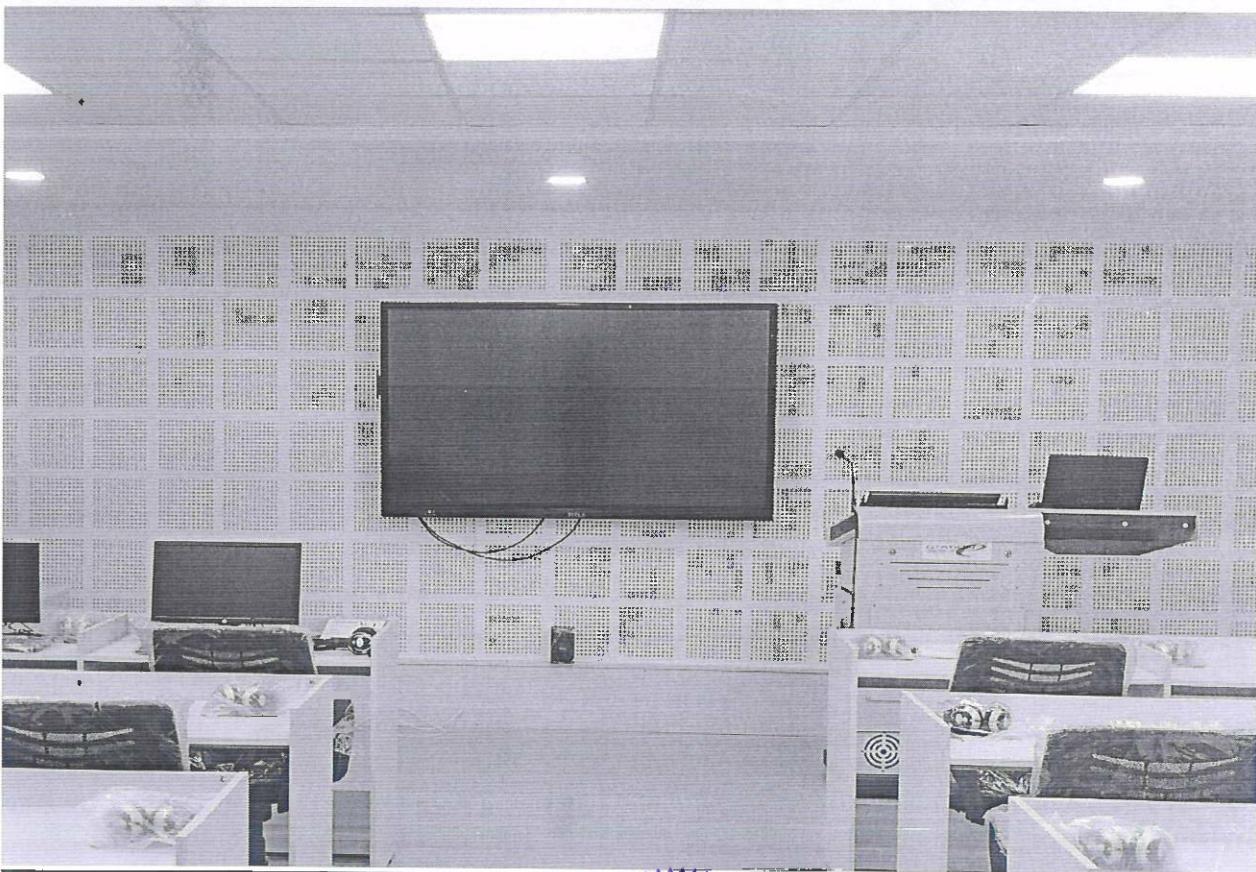
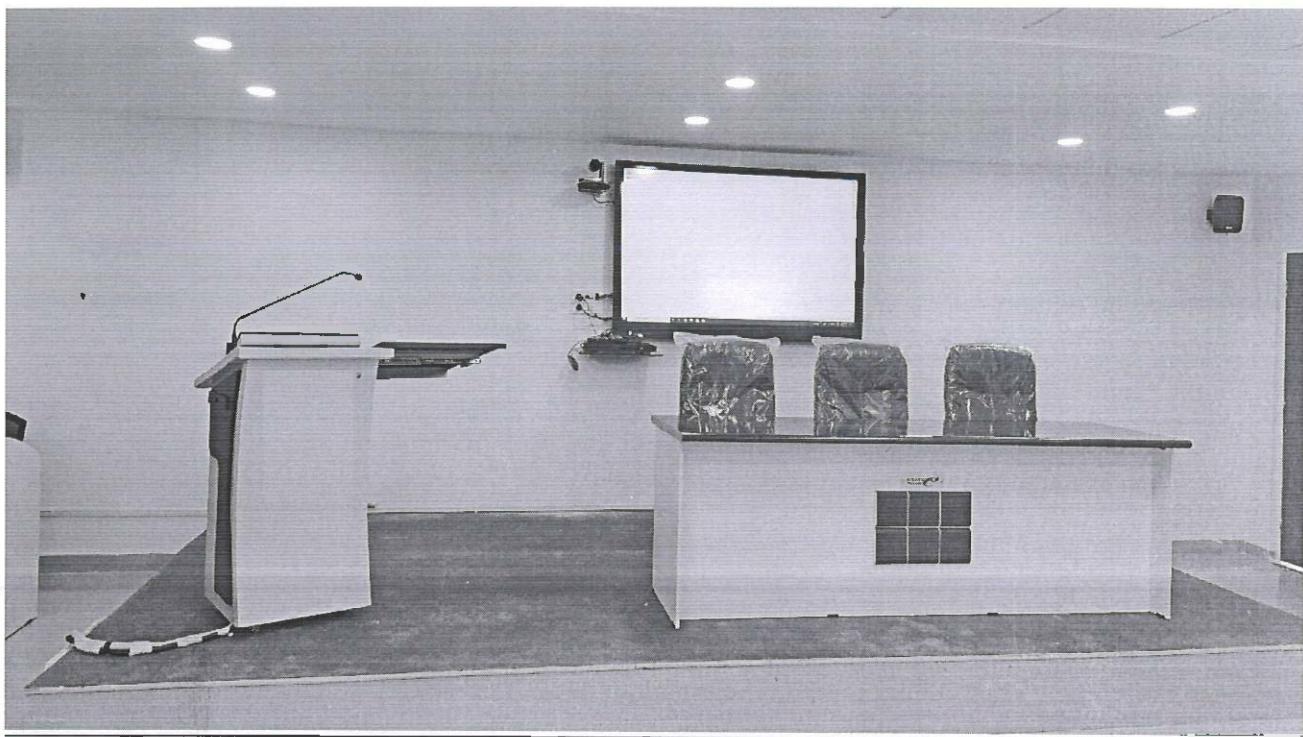
ELECTRONIC GADGETS		Qty.
1.	Interactive touch display 75" Supplied with all necessary accessories	1
2.	Wall mount kit	1
3.	Digital Podium with PC	1
4.	Air Mouse with Laser Pointer	1
TECHNICAL		
1.	Smart Class Installation	
2.	Technical knowhow and Human Resourcing Training for 1 day	
ELECTRIFICATION & OTHERS		
1.	Electrification: X. ISI marked Wires, Switches & Metal Boxes, etc. VGA / Power Cable	
	Total	4,22,000
	GST (18%)	75,960
	Final Project Cost	4,97,960
Rupees Four Lacs Ninety Seven Thousand Nine Hundred Sixty Only.		

Terms & Conditions:-

1. The above rates include all kind of taxes, labour works, transportation, installation charges, etc.
2. HR training after installation of Smart Class.
3. Warranty period for complete one year after installation of Smart Class.



Smart Class with Interactive Touch Display and Podium Photos:





Sales Quotation
ICON TECHNOLOGIES
 Ground Floor 7, Nilkanth Shop & Care, Below Orchid Hospital, OPP.GEB,
 Bechar Road, Valsad - 396001
M.9825844110 / M.9925044121 Service: 7016304844
GSTIN : 24AGIPD0400H1Z8
PAN : AGIPD0400H email : icontechnologies@iconit.in

Party Details :
 B.K.M. Scince Collage Valsad
 Collage Road,
 Tithal Road,
 Valsad

GSTIN / UIN : 24AABTS2696B1ZM

Quotation No. : GST-199
 Dated : 29-03-2023 (03:44 PM)
 Dispatch Throug : 0
 To Received :

S.N.	Description of Goods	HSN Code	Qty.	Unit	Price	CGST Rate	CGST Amount	SGST Rate	SGST Amount	Amount(Rs.)
1.	HIKVISION NVR DS-7616NI-K2	85219090	6.00	Pcs.	8,550.00	9.00 %	4,617.00	9.00 %	4,617.00	60,534.00
2.	Hikvision Dome 6MP DS-2CD2163G2-IU	84713010	80.00	Pcs.	5,925.42	9.00 %	42,663.05	9.00 %	42,663.05	5,59,360.00
3.	Hikvision Bullet 6MP DS-2CD2063G2-IU	84713010	15.00	Pcs.	6,050.85	9.00 %	8,168.64	9.00 %	8,168.64	1,07,100.00
4.	Hikvision PTZ Outdoor DS-2DE4215IW-DE	84713010	4.00	Pcs.	17,750.00	9.00 %	6,390.00	9.00 %	6,390.00	83,780.00
5.	Hikvision PTZ Outdoor DS-2DE4225IW-DE	84713010	4.00	Pcs.	24,400.00	9.00 %	8,784.00	9.00 %	8,784.00	1,15,168.00
6.	HIKVISION POE SWITCH DS-3E0518P-E/M	85176290	6.00	Pcs.	9,900.00	9.00 %	5,346.00	9.00 %	5,346.00	70,092.00
7.	D-LINK CAT6 LAN CABLE	85444292	3,050.00	Metre	20.16	9.00 %	5,535.00	9.00 %	5,535.00	72,570.00
8.	D-LINK CAT6 LAN CABLE 305M OUTDOOR	85444999	1,525.00	Metre	26.72	9.00 %	3,667.50	9.00 %	3,667.50	48,085.00
9.	PVC JUNCTION BOX HOC 5*5	8535	96.00	Pcs.	29.66	9.00 %	256.27	9.00 %	256.27	3,360.00
10.	D-LINK 8Port 100/1000 Switch DGS-1008A	85176290	4.00	Pcs.	1,601.70	9.00 %	576.61	9.00 %	576.61	7,560.00
11.	RJ 45 Connector	85366990	200.00	Pcs.	3.00	9.00 %	54.00	9.00 %	54.00	708.00
12.	D-link Network 4U Rack	8473	4.00	Pcs.	2,650.00	9.00 %	954.00	9.00 %	954.00	12,508.00
13.	Seagate 6TB Survilince HDD	84713010	12.00	Pcs.	10,050.85	9.00 %	10,854.92	9.00 %	10,854.92	1,42,320.00
14.	Next View 55" TV NV24K55S9	85257219	2.00	Pcs.	24,648.44	14.00 %	6,901.56	14.00 %	6,901.56	63,100.00

Grand Total 5,008.000 Units

13,46,245.00

Rupees Thirteen Lakh Forty Six Thousand Two Hundred Forty Five Only

Bank Details : Indian Overseas Bank - A/C:128702000000537 - IFSC: IOBA0001287 Valsad Branch
 HDFC Bank - A/C : 28282000001553 - IFSC: HDFC0002828 Valsad Branch

Terms & Conditions

1. No Warranty on Damage Parts & Short Circuits or Burn
2. Goods once sold will not be taken back.
3. Interest will be Calculate @ 24% charged if the payment After Due Date & Cheque Return Charges Rs.250 Per Instrument.
4. Subject to 'Gujarat' Jurisdiction only.
5. Claim Warranty / Gurantee From Respective Service Station

Receiver's Signature :

For, **ICON TECHNOLOGIES**

Authorised Signatory

Principal, 29/3/23
B.K.M. Science College,
Valsad, Gujarat, India.



90 KWp Rooftop Grid-connected SPV System



ENGINEERING, PROCUREMENT & CONSTRUCTION (EPC)

CLIENT NAME:- B.K.M Science Collage, Valsad

Address :- Tithal Road, Valsad



Dinesh

Principal,
B.K.M. Science College,
Valsad, Gujarat, India.

KRISHNA ENTERPRISE

GSTIN : 24CSAPP0291G1ZY

Regd. Office :

325, Ashapura Complex, Near Tel. Exchange, GIDC Char Rasta, Vapi - 396 191 (Gujarat) India

Email: solarsystem.krishna@gmail.com Contact : + 91 90166 37196 / + 91 99253 56668

Project Summary

Proposed Site Specification	
Location:	Vapi
State:	Gujarat
Type of Roof/Ground:	Roof-top
Solar PV System Specification	
Solar PV System DC Capacity	90 KWp
Module Technology:	Mono - Crystalline Silicon Technology
Inverter Type	String Inverter
Mounting Structure type:	Fixed Tilt
Power Evacuation:	3Phase - 415 VAC
Project Scheme:	Grid-connected
Developer Details	
Developer Name:	Krishna Enterprise
Offer Date:	28/03/2023
Offer Validity:	30 Days from date of Offer

Key Highlights of Our Proposal:

- Our proposal comprises of compact & standard design resulting in to an efficient installation with high quality & life of 25 Years.
- The plant design and selection of reliable & proven equipment & component are based on wide experience of Krishna Solar & Associates.
- Strict adherence to the inspection & Quality assurance plan at the manufacturing & execution levels.

Scope of Work:

- Solar Power plant Design & Engineering.
- Supply of all equipment of solar PV power plant (including Packaging, Forwarding, freight & transit insurance)
- Project Management for smooth execution of the project within scheduled time line.
- On-site Installation & Commissioning of the system.
- Comprehensive Insurance for supplied items and equipment during project erection and until commissioning of the project.
- Performance Testing of the Complete System after Installation & Commissioning.

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Assumptions & Considerations:

- The Module Mounting Structures (MMS) to suit the Customer's requirements. (Tin shed with South Direction)
- Power Evacuation from solar plant will be at 415V. System will be connecting with GEB Net meter only.
- Indoor Space provision for all control panels (if applicable) and Inverters supplied by us will be in Customer's scope.
- Liaison, Procurement and obtaining approvals from DISCOM for Net-metering shall be in Our scope. All Technical and Documentation Support will be provided by us.
- The construction Power and Water shall be provided by client at Free of Cost.
- The client shall make necessary provision of Internet connection with static IP Address (if needed) for the Remote monitoring system.

Products & System Descriptions:

A Solar PV power plant is a system that converts sunrays to electrical energy. This system comprises of several components, major of which are listed below:

- Solar PV Modules
- Module Mounting structures
- Inverter
- Earthing
- Solar Grade DC Cables
- AC Cables (Client Scope)

Each of these components are carefully selected for a trouble free intended life of the power plant.

Bill of Material & Proposed vendors:

Technical Details			
Component	Specification	Quantity	Make
PV Modules	Mono-Crystalline 440 Wp / 445 Wp	180	Adani / Pahal Solar
Inverters	50 KW On Grid String Inverters Output: Three Phase Effeciency: 98%	1	ABB
Mounting Structure	Aluminum (Tin Shed with South Direction)	180 Modules	Reputed Make
Earthing Kit & LA	Earthing will be connect with Existing System	Set	Reputed Make
DC CABLES	U.V. Resistant, Halogen free, Fire resistant cables	As per Design	Polycab / Equivalent make

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114 KW ACDB, 2IN 63A, 1OUT, MCCB with SPD

Sr No	Particulars	Make	Qty
1	Enclosure (IP55)	ELDON	1
2	4POLE FIXED TYPE MCCB -63 Amps,25kA	EATON/SCHNEIDER	2
3	SPREADERS FOR ABOVE MCCB	EATON/SCHNEIDER	3 SET
4	MCCB 4 POLE,LV540308	SCHNEIDER	1
5	AC SPD-3ph,40kA	PHOENIX CONTACT	1
7	Indication Lamp-R,Y,B	ESSEN	3
8	Cable-25 SQMM 1.5sq mm	POLY CAB	lot
9	Gland hole as per your cable size	Trinity Touch	1
10	Gland PG 29(3), PG 9(1)	Trinity Touch	6
11	End clamp, End plate, hole set		

90 KW DCDB 9 IN 9 OUT with 3DC SPD - 1000 V DC MCB

Sr No	Description	Make	Qty
1	ABS BOX Transparent	TRIBOX	1
2	DC SPD TYPE-2,1000V DC	PHOENIX	3
3	DC MCB 1000V,16A/20A	EATON/CHINT	9
4	TERMINAL FOR SPD	PHOENIX	18
5	TERMINAL 10 SQMM	PHOENIX	18
6	END PLATE(9), END CLAMP (5)	PHOENIX	14
7	GLAND PG 13.5(8), PG 9(1)	REPUTED	12
8	DIN RAIL,MARKER,STICKERS	REPUTED	LOT

Note:

- Krishna Solar design and engineering is based on standard codes and practices applicable and is subject to scrutiny by owner at their own cost. Quality practices and plans will be shared for owner's/lender's study.
- All drawing and documents shall be prepared during detailed engineering only after receiving the confirm order and advance payment.
- Kindly note if during site visit we found any changes in location or any changes in our standard design consideration for customer / site requirement & if this affecting cost will ultimately lead to proportionally change in final Value of proposal and need to consider for finalization of any order related to this proposal.

Project Execution:

The project execution shall be done by highly experienced Krishna Solar engineers and Qualified contractors selected by Krishna Solar.

The following aspects shall be taken care during the project execution:

- Preparation of installation and detailed construction documentation.


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- Specialist site management and monitoring.
- Logistics coordination, Safety coordination & Interface coordination.
- End to end quality management on service and product during construction of a project with quality check reports.
- Reliable & sustainable qualities check reports.
- Commissioning and performance test.
- Documentation (As built & vendor drawings).

Total execution plan shall be finalized in consultation with client and resource mobilization shall be done accordingly.

Commercial Offer:

Price for 90 KWp Rooftop Solar PV plant as per the mentioned scope of work on turnkey basis as below:-

Sr. No	Parameter	We Offering
1.	Solar PV Plant Capacity & Area	90 KWp (7000 Sq. Feet Approx)
2.	Price Basis	Turnkey EPC
3.	Validity of Offer	30 Days from date of Offer
Project Price:		43,000 Per KW
Total Project Cost		INR 38,70,000/-
GST 5 % (70 % of Project cost)		INR 1,35,450/-
GST 18 % (30 % of Project cost)		INR 2,08,980/-
Sub Total		INR 42,14,430/-
		<ul style="list-style-type: none"> - Registration charge would be INR 15450/- (Non – Refundable) - GEB Meter charges At Actual

Schedule of Payments:

- **40% Payable at the time of Purchase Order.**
- **40% Before Material Dispatch.**
- **20% After Installation of Solar Project.**

Taxes:

- **GST 5 % for 70% amount of Project Cost and 18 % for 30% amount of Project Cost is Exclusive of above amount as mention above.**

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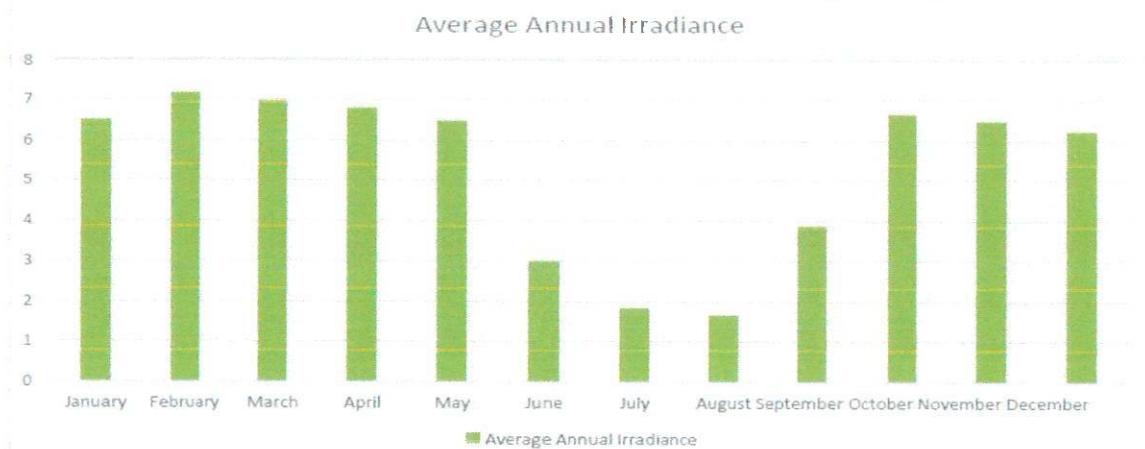
Note:

- GEB Charges at actual.
- Transport cost Included.
- Additional Structure not required as site survey.
- AC site Cable cost have to borne by client in case of more than 50 Mtr.

Product Warranty / Manufacturing Defect Warranty:

Sr. No.	Component	Warranty (In Years)
1	Solar modules	10 Years manufacturing Warranty & 25 Years Performance Warranty
2	Inverter	ABB – 05 Years
3	GI / Aluminum	01 Years
4	Other Balance of System	01 Years

Irradiance Calculation:



General Terms & Conditions

- 1. Approvals:** MNRE and CEIG approvals included in proposal, any other type of approval by Government/third party is in client scope. (Related to subsidy or other benefits) Any delay in projects due to any kind of approval will not be responsibility of Krishna Solar.
- 2. Inspections:** Any type of inspection by Government/third party/client (Related to subsidy or other benefits) is excluded from this offer, if it is opted by client then all the terms and conditions will be decided after mutual understanding. All cost for the inspections will be borne by client. (Related to subsidy or other benefits)

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3. Confidentiality / Do Not Disclose (DND):

All the information exchanged between the Parties, either oral or written, in connection with this Offer/ Contract, shall be maintained strictly confidential, except to the extent necessary to carry out obligations under it or to comply with applicable Laws.

Annexure-I: Detailed Scope of Work

Sr. No.	Component / Equipment / System	Supply	Works	E&C	Remarks
1.	Solar PV panels	✓	✓	✓	Waaree / Pahal Solar
2.	Inverter	✓	✓	✓	ABB
3.	Module mounting structure (MMS)	✓	✓	✓	Aluminum / GI
4.	MMS Foundation (If Required)	✓	✓	✓	Not Required
5.	Connectors and harness	✓	✓	✓	Reputed
6.	DC & AC Cables	✓	✓	✓	Polycab / Equivalent
7.	Lightning Arrester	✓	✓	✓	Conventional Type
7.	Electrical and electronic earthing system	✓	✓	✓	Chemical Earthing
8.	DCDB	✓	✓	✓	Krishna Solar
9.	ACDB	✓	✓	✓	Krishna Solar
10.	Power Evacuation at 415 V	✓	✓	✓	

Unit Generation Calculation:-

Average unit generation	Project Capacity (KW)	Approx Generation	Winter (KWh/day)	Summer (KWh/day)	Monsoon (KWh/day)	Yearly Average (kWh/day)
			5	4	3.5	4
(*Generation will depend on Sun's intensity) For that maintain cleaning properly every Week	90	Per day	350	280	245	280
		Per month	13500	10800	9450	10800
Unit Rate (INR)	8.25	Per month Saving in (INR)	111375	89100	77963	89100
		Saving Per Year (INR)	1336500	1069200	935556	1069200
		Project Cost (INR)	3870000			
		ROI (Years)	3.50			



Principal,
B.K.M. Science College,
Valsad, Gujarat, India.



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Client Scope:-

- Indoor Space provision for ACDB, DCDB, Inverters and Cables supplied by us will be in Customer's scope.
- The construction Power and Water shall be provided by client at Free of Cost.
- The client shall make necessary provision of Internet connection with static IP Address (if needed) for the Remote monitoring system.
- Registration charge would be 11,800/- (Non – Refundable) borne by customer.
- Metering Charges at actual.
- Clients have to provide all required documents for Solar Project and Net meter approvals.
- AC site Cable cost have to borne by client if more than 50 mtr.
- After Completion of project, if any changes or modification done by client then in that case client would be responsible.
- AMC Charges would be 1.5 % of Invoice Value per year after One Year.
- Regular Cleaning of Solar Modules is in Client Scope.

THANK YOU



KRISHNA ENTERPRISE

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(15)

Name Of Work

**Construction of Tenies Court at B.K.M College at
Valsad**

Block Estimate Amout

11,73,000.00



Name of work :-

Construction of Tenies Court at B.K.M College at Valsad

RECAPITULATION SHEET

Sr No.	Estimates	Unit	Net Amount Rs
1	Tenies Court	Rs.	8,31,600.00
		Total	8,31,600.00
2	Add 3% W.C. and Contegency Charges	Rs.	16,632.00
<u>Lump Provisions</u>			
3	Electrification work 15%	Rs.	1,24,740.00
4	Survey, Investigation, Estimate and DTP work etc Charges	Rs.	1,00,000.00
5	For Inaugration and Khatmuhut and other mis. work	Rs.	1,00,000.00
	Total	Rs.	11,72,972.00
	Say..	Rs.	11,73,000.00

Honorary Secretary

Shree Neetan Kelavani Mandal

Valsad.

Sanjay Garg

Engineer

Sh. N.R. Mandal

VALSAD

Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.

Name of Work:- Construction of Tenies Court at B.K.M College at Valsad

ABSTRACT

Item No.	Qty.	Unit	Item Description	Rate	Per	Amount(in Rs)
1	2	3	4	5	6	7
1	693.00	Sq m	Construction of B.K.M Science College Building in at Valsad	1200.00	Sq m	831600.00
					Total Say	831600.00
						831600.00


Honorary Secretary
Shree Nootan Kelavani Mandai
Valsad.


Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.



Name of Work:-

Construction of Tenies Court at B.K.M College at Valsad

MEASUREMENT

Item No.	1	Construction of B.K.M Science College Building in at Valsad			
		<u>Area</u>			
		GF		693.00	
			Total	693.00	Sq m
			Say	693.00	Sq m

Honorary Secretary
Shree Nootan Kelavani Manadai
Valsad.

Principal, (I/c.)
B.K.M. Science College,
Valsad, Gujarat, India.



ESTIMATE



Estimated Cost

Rs. 22852000.00

Government of Gujarat
Road & Building Department

Repairing&Renovation girls Hostal building (B.K.M Science
College) At-Bhagdawada Dist-Valsad

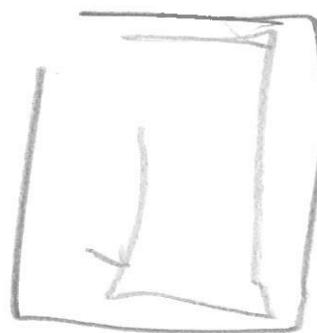
YEAR 2021-22

Executive Engineer
Valsad (R&B) Division
Valsad





25 x 60
25 x 40
R.C. Room



$$450 \times 25 =
250 \times 60 =$$

$$15300
10000
25300$$



Name of Work :-

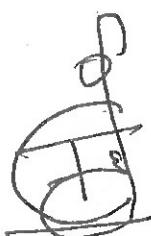
Repairing & Renovation girls Hostal building (B.K.M
Science College) At-Bhagdawada Dist-Valsad

Recapitulation Sheet

1 Hostal Buildings	Rs.	15342600.00
2 Parking shhead	Rs	6227700.00
	Total	Rs 21570300.00
	Add 1% Contingency	Rs. 215703.00
	Add 1% Quality Control	Rs. 215703.00
	Electrical Work	Rs. 850000.00
	Total	Rs 22851706.00
	Say	Rs 2,28,52,000.00

Deputy Executive Engineer
(R&B) Sub-Division No.1
Valsad

Executive Engineer
Valsad (R&B) Division
Valsad



SANDAY GARG
ENGINEER
Sh: N.K. MANOJ
VALSAD

Deva
Principal,
B.K.M. Science College,
Valsad, Gujarat, India.

Vanisdi
Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.



FACE SHEET

CIRCLE : Valsad (R&B), Valsad
DIVISION : Valsad (R & B) Division, Valsad
SUB - DIVISION : Hostal Building 22852000.00
FUND HEAD :
MAJOR HEAD :
MINOR HEAD :
DEPARTMENT HEAD :

Estimates framed in the office of the Executive Engineer, Dist (R & B) Division, Valsad by The Deputy Executive Engineer, R & B Sub Division, Dhandhuka for the probable expenditure that will be incurred in

NAME OF WORK : Repairing&Renovation girls Hostal building (B.K.M Science College)
At-Bhagdawada Dist-Valsad
ESTIMATED COST : Rs. 22852000.00
ESTIMATE PREPARED BY :
ESTIMATE CHECKED BY :

GENERAL DESCRIPTION

The estimate is prepared on the base of standard Schedule of rate of year 2021-22 of Valsad District R&B Elec. SOR 2021-22 and non Sor items are supported with market rate and rate analysis.

Deputy Executive Engineer
(R&B) Sub-Division No.1
Valsad

Executive Engineer
Valsad Valsad (R&B) Division
Valsad

D.P.
Principal,
B.K.M. Science College,
Valsad, Gujarat, India.

J. N. K. M.
Honorary Secretary
Shree Nootan Kelavani Mandal
Valsad.

