



PAF ARCHITECT AND ENGINEER) CONVENT ROAD, NEAR SBI MAIN BRANCH DEHRADUN UK-248001
palarchitectandengineer@gmail.com, paconstructionindia@gmail.com
7895872139, 9412143346

M/S SAJID NADEEM
Proprietor

PAF ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 90279
PAF CONSTRUCTION INDIA (OPC)
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Kanakpur District Udhamsingh Nagar (Uttarakhand)

DETAILS PROJECT REPORT



PRADHAN MANTRI AWAS YOJANA



Proposed Pradhan Mantri Awas yojana Kanakpur (Rudrapur),
Uttarakhand

Proposed Pradhan Mantri Awas yojana Kanakpur (Rudrapur),
Uttarakhand

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Ms SAJID NADEEM
Proprietor

Oliver

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 00349
Date: 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Uttarakhand : 24471322139, 9412143346
PMAY of Site Kanakpur District (Udhamsingh nagar)

Proposed Pardhan Mantri Awas yojana Kanakpur (Rudrapur),
Uttarakhand

ABBREVIATIONS

A&OE	Administrative and Other Expenses	LIG	Low Income Group
AHP	Affordable Housing in Partnership	MD	Mission Directorate
AIP	Annual Implementation Plan	MoA	Memorandum of Agreement
BMTPC	Building Materials & Technology Pro-motion Council	MoHUPA	Ministry of Housing and Urban Pov-erty Alleviation
CDP	City Development Plan	MoU	Memorandum of Understanding
CLS	Credit linked subsidy	NA	Non Agricultural (NA)
CNA	Central Nodal Agencies	NBC	National Building Code
CPHEEO	Central Public Health and Environmen-tal Engineering Organisation	NHB	National Housing Bank
CSMC	Central Sanctioning and Monitoring Committee	NOC	No Objection Certificate
DIPP	Department of Industrial Policy and Promotion	NPV	Net Present Value
DPR	Detailed Project Report	PLI	Primary Lending Institution
EMI	Equated Monthly Instalment	RWA	Residents' Welfare Association
EWS	Economically Weaker Section	SECC	Socio Economic and Caste Census
FAR	Floor Area Ratio	SFCPOA	Slum Free City Plan of Action
FSI	Floor Space Index	SLAC	State Level Appraisal Committee
HFA	Housing for All	SLNA	State level Nodal Agencies
HFAPOA	Housing for All Plan of Action	SLSMC	State Level Sanctioning and Monitoring Committee
HUDCO	Housing and Urban Development Corporation	TDR	Transfer of Development Rights
IEC	Information Education & Communica-tion	TPQMA	Third Party Quality Monitoring Agency
IFD	Integrated Finance Division	ULB	Urban Local Body
IIT	Indian Institute of Technology	UT	Union Territory
IS	Indian Standard		

Ms SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 003719 Date: 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

Proposed Pradhan Mantri Awas Yojana Kanakpur (Rudrapur),

Uttarakhand

Definitions for the purpose of the mission

Affordable Housing Project:	Housing projects where 35% of the houses are constructed for EWS category
Beneficiary	A beneficiary family will comprise husband, wife and unmarried children. The beneficiary family should not own a pucca house (an all weather dwelling unit) either in his/her name or in the name of any member of his/her family in any part of India.
Carpet Area	Area enclosed within the walls, actual area to lay the carpet. This area does not include the thickness of the inner walls
Central Nodal Agencies	Nodal Agencies identified by Ministry for the purposes of implementation of Credit linked subsidy component of the mission
Economically Weaker Section (EWS):	EWS households are defined as households having an annual income up to Rs.3,00,000 (Rupees Three Lakhs). States/UTs shall have the flexibility to re-define the annual income criteria as per local conditions in consultation with the Centre.
EWS House	An all weather single unit or a unit in a multi-storied super structure having carpet area of upto 30 sq. m. with adequate basic civic services and infrastructure services like toilet, water, electricity etc. States can determine the area of EWS as per their local needs with information to Ministry
"Floor Area Ratio" (FAR)/FSI	The quotient obtained by dividing the total covered area (plinth area) on all the floors by the area of the plot $FAR = \frac{\text{Total covered area on all the floors} \times 100}{\text{Plot area}}$ If States/Cities have some variations in this definition, State/City definitions will be accepted under the mission
Implementing Agencies	Implementing agencies are the agencies such as Urban Local Bodies, Development Authorities, Housing Boards etc. which are selected by State Government/SLSMC for implementing Housing for All Mission.
Low Income Group (LIG):	LIG households are defined as households having an annual income between Rs.3,00,001 (Rupees Three Lakhs One) up to Rs.6,00,000 (Rupees Six Lakhs). States/UTs shall have the flexibility to re-define the annual income criteria as per local conditions in consultation with the Centre.
Primary Lending Institutions (PLI)	Scheduled Commercial Banks, Housing Finance Companies, Regional Rural Banks (RRBs), State Cooperative Banks, Urban Cooperative Banks or any other institutions as may be identified by the Ministry
Slum	A compact area of at least 300 population or about 60-70 households of poorly built congested tenements, in unhygienic environment usually with inadequate infrastructure and lacking in proper sanitary and drinking water facilities.
State Land Nodal Agencies (SLNAs)	Nodal Agency designated by the State Governments for implementing the Mission
Transfer of Development Rights (TDR)	TDR means making available certain amount of additional built up area in lieu of the area relinquished or surrendered by the owner of the land, so that he can use extra built up area himself in some other land

PMAY of Site Kanakpur, Uttarakhand : 244713
 Near by IDBI Bank, Dehradun (U.K.)
 Tapovan Road Infront of PRD Ground
 Case No. 0-271-9
 Date: 19/11/22
 COA No. CA/2018/96344
 ARCHITECT AND ENGINEER

M/S SAJO NADZIN

Proposed Pradhan Mantri Awas yojana Kanakpur (Rudrapur), Uttarakhand

Background:

Shelter is a basic human need next only to food and clothing. At the end of the 10th Five Year Plan, the housing shortage is estimated to be 24.7 million. However, urban areas in our country are also characterized by severe shortage of basic services like potable water, well laid out drainage system, sewerage network, sanitation facilities, electricity, roads and appropriate solid waste disposal. It is these shortages that constitute the rationale for policy focus on housing and basic services in urban areas. This policy intends to promote sustainable development of habitat in the country with a view to ensuring equitable supply of land, shelter and services at affordable prices to all sections of society. Given the magnitude of the housing shortage and budgetary constraints of both the Central and State Governments, it is amply clear that Public Sector efforts will not suffice in fulfilling the housing demand. In view of this scenario, the National Urban Housing and Habitat Policy, 2007 focuses the spotlight on multiple stakeholders namely, the Private Sector, the Cooperative Sector, the Industrial Sector for labour housing and the Services/Institutional Sector for employee housing. In this manner, the Policy will seek to promote various types of public-private partnerships for realizing the goal of Affordable Housing for All.

Housing Needs :

The magnitude of housing shortage was estimated by a Technical Group in the context of formulation of the 11th Five Year Plan. The Technical Group estimated the housing shortage at the end of the 10th Plan to be around 24.7 million for 67.4 million households. The Group further estimated that 99% of this shortage pertains To Economical Weaker Section (EWS) & Low Income Group (LIG) sectors. During the 11th Plan, the Group estimated that the total housing requirement (including backlog) will be to the tune of 26.53 million units for 75.01 million households. Whereas more than 23% of the urban population resides in slum (Census: 2001), a much higher proportion of the urban population of metropolitan cities lives in slums, it is estimated that 55% of the population of Mumbai lives in slums. It is of critical importance that the strategy of in-situ slum up gradation is adopted for preponderant proportion of the slum dwellers, since they provide valuable services to residents living close to their own dwelling places.

The Working Group on Urban Housing pertaining to the 11th Plan made different assumptions on unit cost of construction of houses in million plus cities and other urban areas for estimating the investment required for overcoming the housing shortage. The total estimated investment for meeting the housing requirement upto 2012 was estimated to be of the order of Rs.3,61,318.10 crores consisting of Rs.1,47,195 crores for mitigating housing shortage at the beginning of 11th Plan and Rs.2,14,123.10 crores for new additions

to be made during the 11th Plan period (this includes construction of pucca houses & upgradation of semi-pucca and kutcha housing units).

Proprietor

M/s SAJID NADEEM

PMAY of Site Kanakpur District (Udhham singh nagar) Uttarakhand : 244713
Tapovan Road Infront of PRD Ground
Bank, Dehradun (U.K.)
Case No. 00279 Date 19/11/22
COA No. CA/2018/96244
PAL ARCHITECT AND ENGINEER
Mob: 7895872139, 9412143346

Magnitude of Poverty:

Non-affordability of housing by economically weaker sections of society and low income families in urban areas is directly linked with the magnitude of urban poverty. Poverty in India has declined from 320.3 million in 1993-94 to 301.7 million in 2004-05. While there has been a decline of 18 million persons in the total numbers of the poor in India, the National Sample Survey Organization (NSSO) reports that the number of the urban poor has risen by 4.4 million persons during the same period. One fourth of the country's total urban population, numbering 80.7 million persons is below the poverty line. The urban poor constitute 26.7% of the total poor in the country. The fact that the number of urban poor has risen is in stark contrast with rural poverty, where both the total number of rural poor and its incidence vis-a-vis the rural population has fallen. The urban poor have limited access to basic services. According to the 2001 census, there is a 9% deficiency in drinking water, 26% in toilets and 23% in drainage. It is quite understandable that most of this shortage pertains to Slums.

Scope of RAY RAY:

will provide the support to enable states to redevelop all existing slums in a holistic and integrated way and to create new affordable housing stock. The existing schemes of Affordable Housing in Partnership, and Interest Subsidy for Housing the Urban Poor (ISHUP), would be dovetailed into this scheme. No new projects under the BSUP and IHSDP scheme of the Jawaharlal Nehru National Urban Renewal Mission (JNNURM) will be sanctioned once implementation of RAY scheme is taken up except to consume existing 11th Plan allocations that may be left uncommitted. However, projects sanctioned under the two schemes will continue to receive Central assistance as per the sanctions and the existing provision of the schemes.

Ms SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Date: 14/11/22
Case No. 000879
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

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Pradhan Mantri Awas Yojana (PMAY) - Housing for all

The Hon'ble President of India has announced "By the time the Nation completes 75 years of its Independence, every family will have a pucca house with water connection, toilet facilities, 24x7 electricity supply and access.

"Hon'ble Prime Minister envisioned Housing for All by 2022 when the Nation completes 75 years of its Independence. In order to achieve this objective, Central Government has launched a comprehensive mission "Pradhan Mantri Awas Yojana - Housing for All (Urban)". Mission for urban area will be implemented during 2015-2022 and this Mission will provide central assistance to implementing agencies through States and UTs for providing houses to all eligible families/ beneficiaries by 2022.

The mission seeks to address the housing requirement of urban poor including slum dwellers through following programme verticals:

- Slum rehabilitation of Slum Dwellers with participation of private developers using land as a resource
- Promotion of Affordable Housing for weaker section through credit linked subsidy

- Affordable Housing in Partnership with Public & Private sectors

- Subsidy for beneficiary-led individual house construction /enhancement.

The Mission will support construction of EWS (Economically Weaker Section) houses upto 30 square meter carpet area. As per **PMAY EWS households** are defined as households having an annual income up to Rs. **3,00,000 (Rupees Three Lakhs)**. States/UTs will have flexibility in terms of determining the size of house and other facilities at the state level in consultation with the Ministry but without any enhanced financial assistance from Centre. According to PMAY guidelines, the minimum numbers of about 35% of the houses are constructed for EWS Category in such Affordable Housing project.

The PMAY mission will be implemented as **Centrally Sponsored Scheme (CSS)** except for the component of credit linked subsidy which will be implemented as a Central Sector Scheme. A beneficiary family will comprise husband, wife, unmarried sons and/or unmarried daughters. The beneficiary family should not own a pucca house either in his/her name or in the name of any member of his/her family in any part of India to be eligible to receive central assistance under the mission. The houses constructed/acquired with central assistance under the mission should be in the name

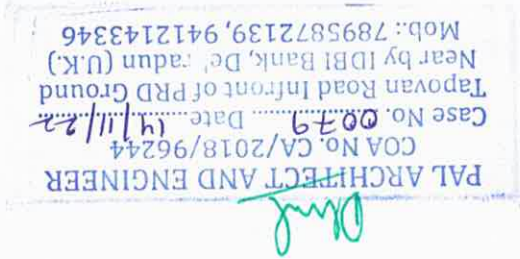
Proprietor

Mrs SAJID NADAR

PMAY of Site Kanakpur District (Udhamsingh nagar) Uttarakhand
Near by IDBI Bank, Delradun (U.K.)
Mob.: 7895872139, 9412143346
PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 244713
Date: 19/11/22

Mandatory Conditions:

- Availability of urban land is the biggest constraint in providing housing to all including weaker sections. Therefore, to ease administrative and regulatory bottlenecks, a set of Mandatory Conditions has been included in the Mission to facilitate growth of housing sector including affordable housing. For participating in the mission and to avail of financial assistance from Central Government, States/ UTs should agree to fulfill following Mandatory Conditions:-
- States/UTs to make suitable changes in the procedure and rules for obviating the need for separate Non Agricultural (NA) Permission if land already falls in the residential zone earmarked in Master Plan of city or area.
 - States/UTs shall prepare/amend their Master Plans earmarking land for Affordable Housing.
 - A System should be put in place to ensure single-window, time bound clearance for layout approval and building permissions at ULB level.
 - States/UTs shall adopt the approach of deemed building permission and layout approval on the basis of pre- approved lay outs and building plans for EWS/LIG housing or exempt approval for houses below certain built up area or plot area.
 - States/UTs would either legislate or amend existing rental laws on the lines of
 - model Tenancy Act being prepared by Ministry. States/UTs shall provide additional FAR/FSI/TDR and relaxed density norms for
 - slum redevelopment and low cost housing, if required.



Ms SAJID NADEEM
Proprietor

Need for Pilot Projects:

Given that this is a path breaking approach being taken up by the Central, State and City governments, there is a felt need to embark on a set of pilot projects with the aim of evolving, demonstrating and establishing models that can thereafter be scaled. A key objective of the programme would be to therefore incentivize innovation and encourage new approaches and solutions that can demonstrably improve the quality and quantity of shelter and services for the poor.

Such innovation could encompass:

- Projects with strong community participation i.e. Slum up gradation
- redevelopment projects initiated/spearheaded by the community; or with their demonstrable involvement and participation in design, planning and implementation.
- Creation of Fresh Housing Stock and Transit Shelters.
- State/UT Government and Implementing Agencies should encourage formation of associations of beneficiaries under the scheme like RWA etc. to take care of maintenance of houses being built under the mission
- New models of public-private partnerships whereby the private sector can be encouraged to take up affordable housing for the EWS/LIG
- Innovations in planning, demonstrating integrated livelihoods, shelter and services or convergence.
- Any other innovation for which the city feels it needs to design models and determine guidelines for larger application

With this intent the Ministry of Housing & Urban Poverty Alleviation, Government of India would encourage proposals and pilot projects from institutions/agencies as below:
The following institutions are eligible to apply for pilot projects under PMAY

States

- Urban Local Bodies through the State Level Nodal Agencies (SLNA)
- Central Government Departments and Central Public Sector

Proprietor

MRS SAJID NADHEEM

PMAY of Site Kanakpur District (Udham singh nagar) Uttarakhand : 244713

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0039
Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

The PMAY mission will be implemented through four verticals giving option to beneficiaries, ULBs and State Governments. These four verticals are as below:



Application Modalities:

The application should consist of a Proposal containing a brief description of the project, the stage of slum free planning that the state is in. The proposal should clearly delineate the innovations and new models the project will be piloting in terms of its scope, objective, implementation strategies. It should also clearly bring out the envisaged outcomes; and implications for state wide or regional replicability. It is expected that the implementation of the pilot projects would catalyse an innovative and effective approach to the planning and implementation of the city plans for the PMAY scheme.

Pilot Project Detailed Project Report should clearly bring out:

- In-situ development projects, including infrastructure upgrading, replacement of kucha structures with pucca structures, Incremental Housing, Affordable Housing Projects, Transit Shelters and Green field projects integrating shelter, services and livelihoods will be considered for pilots

Ms SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079
Date: 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346
PMAY of Site Kanakpur District (Udhham singh nagar) Uttarakhand : 244713

Proposed Pardhan Mantri Awas yojana Kanakpur (Rudrapur), Uttarakhand

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- Land/dwelling space to be assigned to the all slum households living in the concerned slum which will be in the form of ownership. A project which envisages grant of collective property rights would be eligible.

- Basic services including roads, water supply, sewerage, drainage, waste management and street lighting infrastructure have to be planned.

- Desirable services beyond basic services including: Fire safety plan; community Centre; local shopping complex.

- Pilot projects would need to demonstrate that the building bye laws and planning norms should not be a constraint to the slum upgrading exercise.

- Timelines to complete the project and implications for the Slum free City planning process under the PMAY scheme should be clearly laid out in the Pilot Project DPR to connect it to the Proposal.

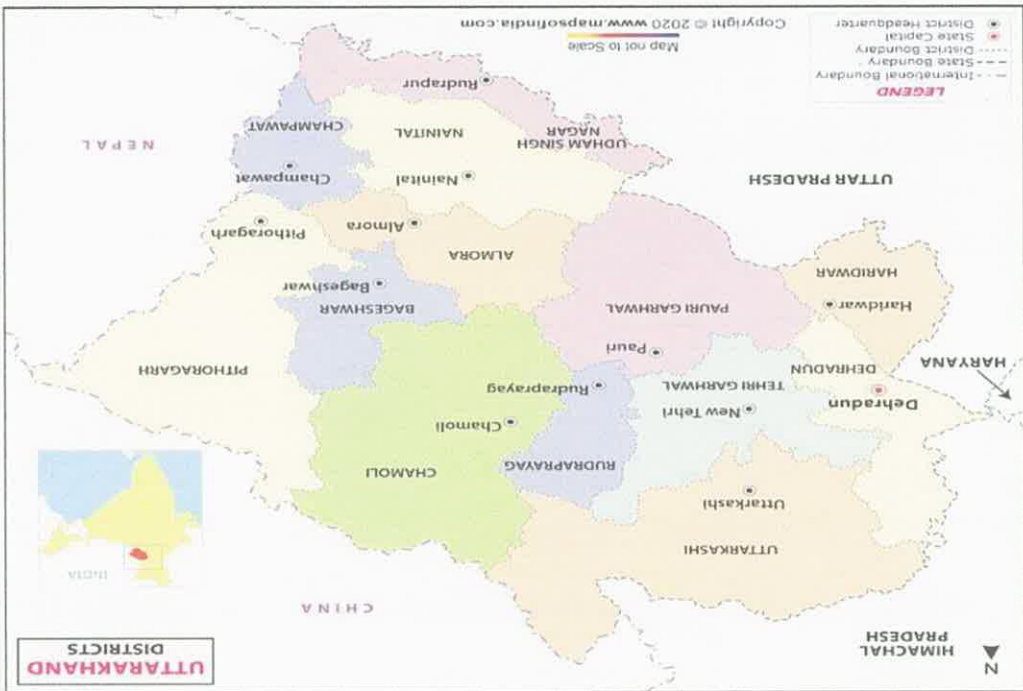
- The DPR would be prepared as per the Delhi Schedule of Rates-2016 and would need to be submitted after approval of State Level Sanction and Monitoring Committee. For proposals pertaining to Central Government and Undertakings, DPR would be based on their respective schedule of rates.

- In view of the above considerations Urban Housing & Urban Development Authority (UHDA), a "Development Authority or the Authority" in relation to the whole of the State Area shall be as the State Authority and in relation to any development area shall be the Local Development Authority (hereinafter referred to as the Local Authority) constituted and notified under section 4 of the Act : may be called the Uttarakhand Urban and Country Planning and Development (Amendment) Act, 2013 has prepared

Ms SAUD NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Date: 14/11/22
Case No. 8839
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

Proposed Pardhan Mantri Awas yojana Kanakpur (Rudrapur), Uttarakhand



Location, Geography and Climate

Uttarakhand was formed on the 9th November 2000 as the 27th State of India, when it was carved out of northern Uttar Pradesh. Located at the foothills of the Himalayan mountain ranges, it is largely a hilly State, having international boundaries with China (Tibet) in the north and Nepal in the east. On its north-west lies Himachal Pradesh, while on the south is Uttar Pradesh. It is rich in natural resources especially water and forests with many glaciers, rivers, dense forests and snow-clad mountain peaks. Char-dhams, the four most sacred and revered Hindu temples of Badrinath, Kedarnath, Gangotri and Yamunotri are nestled in the mighty mountains. It's truly God's Land (Dev Bhoomi). Dehradun is the Capital of Uttarakhand. It is one of the most beautiful resorts in the sub mountain tracts of India, known for its scenic surroundings. The town lies in the Dun Valley, on the watershed of the Ganga and Yamuna rivers.

It is blessed with a rare bio-diversity, inter-alia, 175 rare species of aromatic & medicinal plants are found in the State. It has almost all major climatic zones, making it amenable to a variety of commercial opportunities in horticulture, floriculture and agriculture. It has a vast tourism potential in adventure, leisure, and eco-tourism.

M/s SAJID NADDEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 00819 Date: 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

PMAY of Site Kanakpur District (Uddham singh nagar) Uttarakhand : 244713

About Kanakpur (Uttarakhand)

Kanakpur:

Kanakpur village is located in Kashipur tehsil of Udhampur district in Uttarakhand, India. It is situated 5 km away from sub-district headquarters. Kanakpur in Udhampur (State of Uttarakhand) is a town located in India about 112 mi (or 180 km) east of New Delhi, the country's capital town. We know of 8 airports closer to Kanakpur, of which one is a larger airport. The closest airport in India is Pantnagar Airport in a distance of 31 mi (or 50 km). East. Besides the airports, there are other travel options available

- Pantnagar Airport (31 mi)
- Mahendranagar Airport (72 mi)
- Dehradun Airport (86 mi)
- Baitadi Airport (97 mi)
- Darchula Airport (101 mi)
- Dhangarhi Airport (101 mi)
- Silgadi Doti Airport (118 mi)
- Indira Gandhi International Airport (121 mi)

There is one Unesco world heritage site nearby. It's Nanda Devi and Valley of Flowers National Parks in a distance of 115 mi (or 185 km), North. In need of a room? We compiled a list of available hotels close to the map centre

M/s SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Background of the Project

Shelter is a basic human need next only to food and clothing. However, urban areas in our country are also characterized by severe shortage of basic services like potable water, well laid out drainage system, sewerage network, sanitation facilities, electricity, roads and appropriate solid waste disposal. It is these shortages that constitute the rationale for policy focus on housing and basic services in urban areas. This policy intends to promote sustainable development of habitat in the country with a view to ensuring equitable supply of land, shelter and services at affordable prices to all sections of society. Given the magnitude of the housing shortage and budgetary constraints of both the Central and State Governments, it is amply clear that Public Sector efforts will not suffice in fulfilling the housing demand. In view of this scenario, Uttarakhand State government launched a scheme "Jan Awas Yojana" and Central Government has also launched a comprehensive mission "Pradhan Mantri Awas Yojana - Housing for All (Urban)". And in this connection, The Hon'ble President of India has also announced "By the time the Nation completes 75 years of its Independence, every family will have a pucca house with water connection, toilet facilities, 24x7 electricity supply and access."

Hon'ble Prime Minister envisioned Housing for All by 2022 when the Nation completes 75 years of its Independence. In order to achieve this objective, Central Government has launched a comprehensive mission "Pradhan Mantri Awas Yojana - Housing for All (Urban)". Mission for urban area will be implemented during 2015-2022 and this Mission will provide central assistance to implementing agencies through States and UTs for providing houses to all eligible families/ beneficiaries by 2022.

The mission seeks to address the housing requirement of urban poor including slum dwellers through following programme verticals:

- Slum rehabilitation of Slum Dwellers with participation of private developers using land as a resource
- Promotion of Affordable Housing for weaker section through credit linked subsidy
- Affordable Housing in Partnership with Public or Private Sectors.
- Subsidy for beneficiary-led individual house construction / enhancement

Mrs SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0019
Date: 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Defined as households having an annual income up to Rs. 3,00,000 (Rupees Three Lakhs). Uttarakhand state will have flexibility in terms of determining the size of house and other facilities at the state level in consultation with the Ministry but without any enhanced financial assistance from Centre. According to PMAY guidelines, the minimum numbers of about 35% of the houses are constructed for EWS Category as covered in the programme verticals mentioned above of such Affordable Housing project

The PMAY mission will be implemented as Centrally Sponsored Scheme (CSS) except for the component of credit linked subsidy which will be implemented as a Central Sector Scheme. A beneficiary family will comprise husband, wife, unmarried sons and/or unmarried daughters. The beneficiary family should not own a pucca house either in his/her name or in the name of any member of his/her family in any part of India to be eligible to receive central assistance under the mission. The houses constructed/acquired with central assistance under the mission should be in the name of the female head of the household or in the joint name of the male head of the household and his wife, and only in cases when there is no adult female member in the family, the house can be in the name of male member of the household.

Mandatory Conditions:

Availability of urban land is the biggest constraint in providing housing to all including weaker sections. Therefore, to ease administrative and regulatory bottlenecks, a set of Mandatory Conditions has been included in the Mission to facilitate growth of housing sector including affordable housing. For participating in the mission and to avail of financial assistance from Central Government, Uttarakhand State should agree to fulfil following Mandatory Conditions:-

- Uttarakhand state to make suitable changes in the procedure and rules for obviating the need for separate Non Agricultural (NA) Permission if land already falls in the residential zone earmarked in Master Plan of city or area.
- Uttarakhand state shall prepare/amend their Master Plans earmarking land for Affordable Housing.
- Uttarakhand state would either legislate or amend existing rental laws on the lines of model Tenancy Act being prepared by Ministry.

M/S SAJID NADREM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079 Date 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

Proposed Pradhan Mantri Awas yojana Kanakpur (Rudrapur), Uttarakhand

Objectives:

The objectives of this project are:

- To provide affordable and liveable Shelter solution to Industrial Workers and— workers engaged in Construction projects/activities.
- To reduce temporary/permanent establishment of new slums lacking basic physical & social infrastructure.
- To provide alternative shelter to the slum dwellers who are not eligible for relocation houses and are likely to be displaced.
- To prevent unorganized growth in housing sector.

Project Concept:

It is proposed to construct Ground + Three storied building blocks along with civic amenities like Community Facilities, Open Spaces, Park/Garden, Local Shopping, Crèche, etc. with well-developed Infrastructure networks such as Roads, Drainage, Water Supply, Sewerage, Electrification, Rain Water Harvesting, Horticulture/Site Development, Street Light, Parking, Over Head Tank, Sewerage Treatment Plant, Substation, as well as planned circulation and other features. One such building will provide **10 unit & 16 units** at one floor and to provide **1256** units at total 20 Tower of such type of buildings need to be built up. The main concept behind the formulation of this scheme is to provide not just shelter for the Economical weaker Section / Lower Income Group / migrating population but also a healthy and enabling urban environment, to help them to come out of their poverty level and

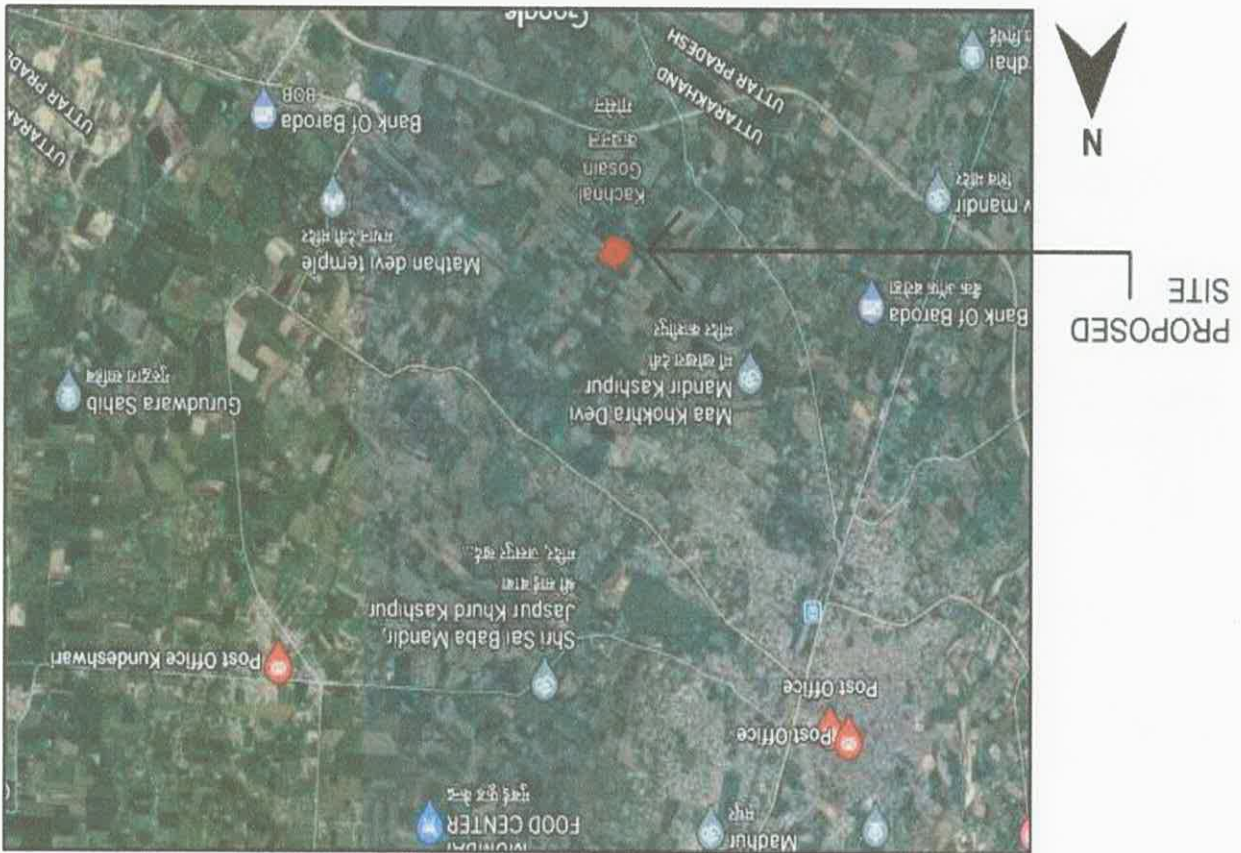
- To integrate the residential areas with social network of the entire complex.
- Sustainable improvement in overall quality of life of Weaker Class / Lower income Group/Industrial labours/migrating population.
- Sustainable improvement in standards of health, education and community life and increased income-earning potential of Weaker Class / Lower income Group/ migrating population by providing a livelihood training centre.
- Strong, committed and broad-based formal and informal community-based groups, which participate actively in sustainable development activities established and functioning.

M/s SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 5039
Date: 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

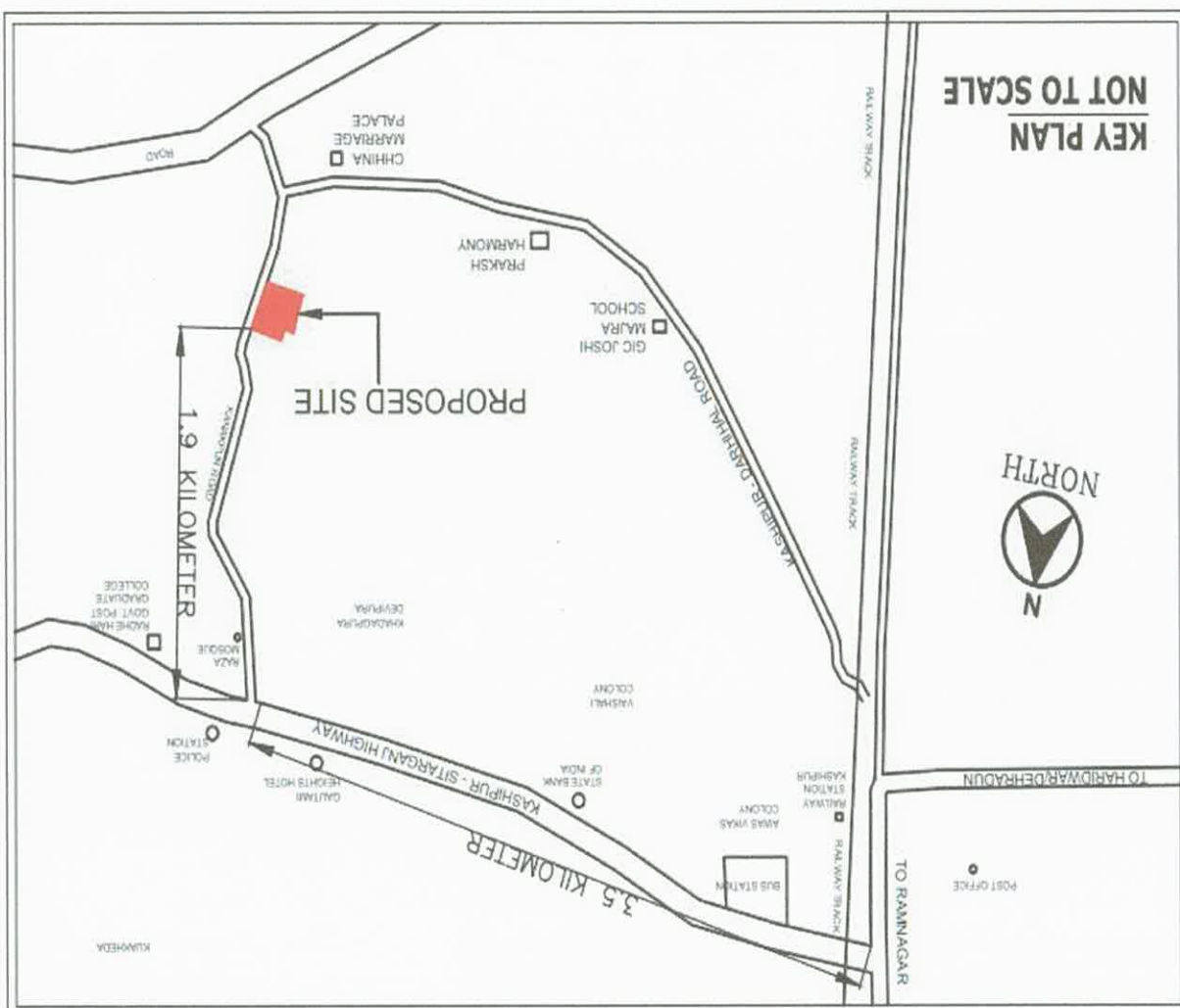
Project Site , Location Google image & Key plan

Google Images



Mrs SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0019 Date 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346



Ms SAJID NADEEM
Proprietor

Proprietor

PMAY of Site Kanakpur District (Udham singh nagar) Uttarakhand : 244713

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079
Date. 14/1/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

SPECIFICATIONS FOR EWS HOUSES - CONSTRUCTED UNDER PMAY

Sl. No	ITEM	SPECIFICATION
1.	Earthwork excavation	The earthwork excavation shall be done as per CPWD specification. The foundation shall rest on firm base
	Filling in trenches	Same excavated good earth soil is to be filled.
2.	Foundation (monolithic cement concrete structure)	M-20 grade of concrete is used for all the RCC works
	Base concrete	1:4:8 grade, 10 cm thick below building foundations on hard strata.
	Pinth Filling	If excavated soil or part of excavated soil seems to be good for filling, same shall be refilled as per direction of engineer in charge
	RCC Footing/Raft/Piles	M-20 grade of concrete is used for 450mm thick raft using Self Compacting Concrete Design Mix.
	Pinth beam/grade slab	M 20 grade of concrete is used for all the works using Self Compacting Concrete Design Mix
3.	Super structure	M 20 grade of concrete is used for all the works using Self Compacting Concrete Design Mix.
	a) Slabs	M 20 grade of concrete is used for all the works using Self Compacting Concrete Design Mix.
	b) Projections	M 20 grade of concrete is used for all the works using Self Compacting Concrete Design Mix
4.	Flooring	1. Everywhere in EWS unit is having ordinary Cement flooring including staircase etc. with Colour Pigment. 2. Industrial tiles flooring in parking areas.
5.	Skirting	Skirting in ordinary cement with neat punning in all rooms shall be to the height of 100mm.
6.	Kitchen platform and sink	Ordinary RCC Slab with neat cement punning and with provision for cut-out of Stainless Steel Sink.
	Putty	Putty on inner walls and ceiling.
7.	Finishing	Internal:- White washing on internal walls and ceiling External:- Water proofing cement paint
8.	Waterproofing	Toilets cement slurry mixed with water proofing treatment.
9.	Joinery	
	a) Windows	Angle iron frames and glazed shutters for windows and clerestory windows using 4 mm thick float glass panes with hillock wood.
	b) Doors	a) Angle Iron Frames and shutters - 25 mm thick flush door shutter, non-decorative type for rooms b) Angle Iron Frames and Steel shutters for block entrance & munity of staircase. c) FRP frame and shutter for Bath and WC
10.	Doors & Window Fixtures and Fitting	Oxidised MS fittings
11.	Railings	MS railings

COA No. CA/2018/96244
Case No. 0299 Date. 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

PAL ARCHITECT AND ENGINEER

M/s SAJID NAEEM
Proprietor

PMAY of Site Kanakpur District (Udhham singh nagar) Uttarakhand : 244713

Public Health & Sanitary Works

Sl. No	ITEM	SPECIFICATION
1.	Water Supply	Internal Areas water supply pipe (inside the Block in shafts, terrace and rising main as per drawing and design)
	Bib-Cock	Long body CP Brass Bib-Cock.
	Control valves	CI Wheel Gun Metal Valve.
2.	Sewerage (Sanitary & Rain water)	Internal areas sanitary pipe (inside the flats or inside the block and in all Bath, WC and kitchen)
	External Area	Stone Ware Pipes with all around concreting.
	Rain Water Drainage	Providing UPVC pipes of approved make for 4kg/Sq.Cms. of single socket pipe of ISI standard confirming to ISI 1352 with air tight joints, fixing with clamps and nails etc., complete for (Vent Shaft) WC Connection
3.	Sanitary Fittings	Indian type W.C. pan with 100 mm sand cast Iron P or S trap, 10 liter low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever).
	Floor Trap	Providing 76.2mm (3") Dia. NAHANY TRAP with Jali for UPVC/SWR for toilets and kitchen
	Gully Chambers	Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :
	Internal sanitary and collecting chambers	Sewage disposal from Indian type W.C. pan & waste water from kitchen with 100 mm PVC pipe & Bathroom with 75 mm diameter PVC pipe with fittings.

M/s SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0885
Date 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob. 7885511313
Uttarakhand : 244713143346
PMAY of Site Kanakpur District (Udham singh nagar)

Electrical Works:

Sl. No	ITEM	SPECIFICATION
1.	Point Wiring	Wiring for light point/ fan point/ exhaust fan point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed PVC conduit, with Piano type switch.
2.	Wiring for circuit / Submain	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire 2 X 4 sq. mm + 1 X 4 sq. mm earth wire 2 X 6 sq. mm + 1 X 6 sq. mm earth wire
3.	PVC conduit	Supplying and fixing of following sizes of PVC conduit of along with accessories in surface/ recess or cutting the wall and making good the same in case of recessed conduit as required. 20mm & 25mm dia with Supplying and fixing following Piano Type switch/ socket on the switch box including connections 5/6 amps switch 15/16 amp switch 3 pin 5/6 amp socket outlet 3 pin 15/16 amp socket outlet
4.	Switch and socket	Supplying and fixing of suitable size metal box with phenolic laminated sheet cover in front Supplying and fixing brass batten/ angle holder including connection etc. as required.
5	Fan regulator	Supplying and fixing stepped type electronic fan regulator
6	Switch box	Supplying and fixing of suitable size metal box with phenolic laminated sheet cover in front
7	Angle holder	Supplying and fixing brass batten/ angle holder including connection etc. as required.
8	MCCB	Providing and fixing MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
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Case No. 2021
Tapovan Road Infront of PRD Ground
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Mob.: 7895872139, 9412143346

M/s SAJID NADEEM
Proprietor

For Internal Flat	9.	MCB Enclosure	Supplying and fixing SPN Distribution Board with IP43 Protection (Metal Door) as per 13032 for all incoming and outgoing (With MCB/ RCCB/ Isolator)	For Common Area		
	10.	TPN Distribution Board	Following way TPN distribution boards 4 way Double door 6 way Double door 8 way Double door 12 way Double door	MCB	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, Single pole Single pole and neutral Double pole Triple pole Triple pole and neutral	11.
	12.	Isolator	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps 63 amps			

Mrs SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 6035 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

ABSTRACT OF PROPOSED PHYSICAL INFRASTRUCTURE

Buildings

- 1) Total 1256 units are provided under the scheme
- 2) 20 Tower are designed to accommodate 1256 units.
- 3) Ground + 3 storied building
- 4) Each building has 10 unit & 16 units on each floor.
- 5) Each unit has 1 Bedroom, Living Room, Kitchen, Bathroom and WC
- 6) Total no. of floors – 4
- 7) Total no of units per tower $10 \times 4 = 40$ units $16 \times 4 = 64$ units

Infrastructures

I. Storm Water Drainage

- Brick Masonry open Drain is proposed for collection of Rain Water

II. Roads and Pavers

- Internal concrete road of 7.0 mtr. and 4 mtr wide are proposed with 10 mtr. wide road as the main entry road.
- 600 mm thick factory made cement concrete inter locking paver blocks are proposed at open areas between buildings and other locations.

III. Compound Wall

- Brick Masonry Compound Wall

VII. Internal Water Supply and Sanitation Facilities

- WC's, Wash basins, Kitchen Sink, Urinal basins, water taps and all other necessary Water Supply & Sanitation facilities are proposed with proper fitting & fixtures at each floor of every building.

VIII. Internal Electrical Installations

- Sufficient nos. of electrical points for fans, Ceiling fans, call bell, light, chargers etc. are proposed in each room/corridors/stairs/baths/toilets/urinal/stores with metal box and proper wiring systems.

IX. Parking Facilities

- Sufficient Parking facilities for two Wheeler Vehicles are proposed

Proprietor

Mrs SAJID NADEEM

PAL ARCHITECT AND ENGINEER
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Date 14/11/22
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Mob.: 7895872139, 9412143346

PROJECT COST DETAILS

As per the Scheme Guidelines of Pradhan Mantri Awas Yojana Housing for all an single unit or a unit in multi-storied super structure of EWS type Houses with all adequate basic civic services and infrastructure services like Toilet, Water, Electricity etc. So, we have designed the typical EWS dwelling unit of approx. 23.00 square meters carpet area which will have 2 rooms (i.e., living room and one bed room), a kitchen, separate bath and WC and balcony.

SI No.	Type	Nos. of Dwelling Units	Carpet Area of each unit	Super built up Area of each unit
1.	EWS	1256	23.24 sq.m	25.30 sq.m

SI No	DESCRIPTION OF WORK	AMOUNT
1	Grand Total 19 Tower A TO H, J TO T	739255025.6
2	Grand Total Tower U	25193065.41
3	Grand Total other service	1189222291.3
	Grand total project cost	883370382.4

Mrs SAUD NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Date: 19/11/22
Case No. 0019
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

LAND DOCUMENTS

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Handwritten signature

M/S SAJID NADEEM
Proprietor

फ़ोन नं. : 1424-1429 पृष्ठ : 1

पाठ्यिका	दिक्पनी
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13

काशीपुर अर्द्धन को-ओप वैक फिन्

तारीख 08.12.12 व, अज्ञात
अज्ञात स्थान से जारी 0.2.202

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11.12.12

14.10.13 के अनुसार आदेश

कीर व जगदीश सिंह ने अपना -
जी प्रति को 20,00,000/-

14.10.13

उद्योगिकी कार्यरत

22/565 (11-12) मन्मथ
मन्मथ

उत्तरार्धविभागे अष्टौ नि
म्नाह कर्त्तव्यं यत्

१०० जनकपुर की भाषा

५०५२१४ नमः ०२०२३०
वर्षांतर्गत अग्रिम वृत्त

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18.02.19 तक जारी

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उद्घरण खतीनी

तहसील : काशीपुर

जनपद : ऊधम सिंह नगर

कमती नं. : 1424-1429 भाग : 1

डास क्रमांक : 055653

डास का नाम / पुराणा : बनकपुर(काशीपुर)

1-व/पुति को पंचायतीव अधिकार वाले अधिकारी के अधिकार में है।

बाला बन्दीनी बन संख्या — 1 —	आवेदार का नाम / पिता यदि आवेदक का नाम/ विवाह स्थान	प्राथमिक अधिकार वाले होने का वर्ष — 3 —	आवेदक के प्रत्येक गठे की संख्या — 4 —	प्रत्येक गठे का क्षेत्रफल (है.) — 5 —	आवेदार द्वारा देय मान्यताओं का समान — 6 —	परिवर्तन सम्बन्धी आवा या उनका भारतीय कृषी संस्था तथा विनियम सहित और आवा देने वाले अधिकारी का पद	दिनांक
00071	बनदीन सिंह/बनबन सिंह/सि-डास PAL ARCHITECT AND ENGINEER COA No. CA/2018/96244 Case No. 8049 Date 14/11/22 Near by IDBI Bank, Dehradun (U.K.) Mob: 7895872139, 9412143346 Proprietor	1421वर्ग	52है.0	0.4050	10.00	7-12	13- श्री 007 के अंक नामों काशीपुर के तब है 14.07.14 के अनुसार मान्यता बनदीन सिंह के अपने पिता की पुति को गठे 1,50,000/-00 से बचक रफी 18.07.14 आई.सी.टी.आई. देय सिंग रामनगर गंठ काशीपुर के तब भुजगा HDF000063620 दिनांक 19.12.2020 के अनुसार मान्यता पुत्रांश देय सिंह के अर्थात सिंह के अपने पिता की पुति को गठे 23,50,000/-00 से बचक रफी 18.07.14 आई.सी.टी.आई. देय सिंग रामनगर गंठ काशीपुर के तब भुजगा HDF000063620 दिनांक 19.12.2020 मान्यता देय राम कानपुर के नाम भुजगा 00071 से सम्बन्धित है तब बनकपुर के विराम माना जाने 18.07.14 2021
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कुल गांठे: एक कुल क्षेत्रफल: शुद्ध मान्यता का कुल क्षेत्रफल: एक शुद्ध मान्यता का कुल क्षेत्रफल

Data Digitally Signed by : AKRAM ALI

सहाय अधिकारी : TEHSILDAR

तहसील : काशीपुर

जनपद : ऊधम सिंह नगर

सह उद्घरण बन्दीनी प्रत्येकीनिक दिनांक डास केवार की गयी है तथा डास दिनांक हस्ताक्षर द्वारा हस्ताक्षरित है।

दिनांक एवं समय : 08-06-2021 12:33:50 PM

एम्प्लॉय नं : 1424-1429 पृष्ठ : 1

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7. முன்னொருவரின் தாயை

18. COOL-UP

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20,00,000/-

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18.02.19 १८ मार्च

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उद्धरण खतौनी



बारा खतौनी प्र नंका — 1 —	बाहेरार का नाम / सिता वसि मरवाक का नाम/ निराम म्मान — 2 —	मीमिक बहिन्नार बाराच सौने का नं — 3 —	बाणे के दत्तेक गटे सी बारा मका — 4 —	बाहेक गटे का दत्तकन (हे) — 5 —	बाहेरार बात देव मानमुवासी या मान — 6 —	परिचर्जन बाबन्नी आजा या उनका पारान्ज उनकी मका तथा सिनीक महिर् और बाबा देवे बाणे बहिन्नारी का नं — 7-12 —	दिनकी — 13 —
Data Digitally Signed by : AKRAM ALI							
मह उद्गम बाबौनी दने क्योतिक दिनीचति सिमरम बाता मैवार की मदी हे तथा बाता दिनीटन हन्नाधार बाता हन्नाधारिह है। मसम बहिन्नारी : TEHSILDAR लहकीन : बागीपुर दिनारक एवं समय : 08-06-2021 12:33:12 PM							



Ms SAJD NADDEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 8879
Date: 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Ans



Online Public Data Entry Summary

ukpde2021120308368

DISTRICT NAME: उमरगढ़ जिला SRO: काशीगढ़

ukpde2021120308368

14-Jul-2021

10:17:08

Appointment Date: 15 Jul 2021

Appointment Time: 11:30 a.m to 12:30 p.m

Appointment Token No: 14

Deed/Article Type : Agreement
Sub-Deed/Sub-Article : Sale of Property Where Possession is Not Admitted to Have Been Delivered
Village/Location For Index : काशीगढ़
Village/Location/Road Selected for Circle Rate List : काशीगढ़

Khewat :
Khasra : 51.52MIN

House/Flat No:

Area : 2.83 इंच

Latitude :
Longitude : 0.0000000000

Land Value : 0.00
Construction Value : 0.00

Transaction Value : 35000000.00
Market Value : 0.00

Advance : 10000000.00

Lease Period : 0.00

Avg. Rent

: 0.00

Stamp Duty : 700100.00
Regn Fees : 20000.00

Pasting Fees : 100

Page

: 24

क्र.सं.	विवरण का विवरण	प्रकार का विवरण	प्रकार का विवरण	प्रकार का विवरण	प्रकार का विवरण
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PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 8079 Date: 14/11/22
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

M/s SAJD NADEEM
Proprietor

K. Nandoo

J.S. Nandoo

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079 Date 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

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M/s SAJID NADEEM
[Handwritten signature in purple ink]
Proprietor

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Proprietor



Deed Writer/Advocate Name : MOHD ASHRAF ADV

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Proprietor

M/s SAJID NADDEM

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

Ans



INDIA NON JUDICIAL

Government of Uttarakhand

e-Stamp

BALESHWAR
Stamp No. 21/2002
Tab KASHIPUR



IN-UK31690347318087T	Certificate No.
15-Jul-2021 10:59 AM	Certificate Issued Date
NONACC (SV) / UK1207004/ KASHIPUR/ UK-UN	Account Reference
SUBIN-UKUK120700467269806138540T	Unique Doc. Reference
SAJID NADEEM	Purchased by
Article 5 Agreement or Memorandum of an agreement	Description of Document
VILL-KANAKPUR	Property Description
3,50,00,000	Consideration Price (Rs.)
(Three Crore Fitty Lakh only)	
JASBIR SINGH AND KAWALJEET NARULA	First Party
SAJID NADEEM	Second Party
SAJID NADEEM	Stamp Duty Paid By
7,00,100	Stamp Duty Amount(Rs.)

(Seven Lakh One Hundred only)



Please write or type below this line



Mr. Sajid Nadeem
Advocate
Kashipur (U.S. Nagar)
Reg. No. - U.P.8623/02



Mrs. Jasbir Singh and Kawaljeet Narula
Advocate
Kashipur (U.S. Nagar)
Reg. No. - U.P.8623/02



Mr. Pal Archa
PAL ARCHITECT AND ENGINEER
GOA No. CA/2018/96244
Date 11/11/22
Tapovan Road Infront of PKD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Statutory Alert:

1. The authority of this Stamp certificate should be verified at www.shrestamp.com or using e-Stamp Mobile App. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid. In case of any discrepancy please inform the Competent Authority.

Proprietor

M/s SAJID NADEEM

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 4047 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

"The contents of this certificate are valid and authentic world-wide by any members of the public. It should be used for free of cost." "Any alteration to this certificate renders it invalid. Use of an altered certificate without all the security features could constitute a criminal offence" "This document contains security features like coloured background with Lacey Geometric Flexible patterns and subtle Logo images. Complex ornamental design borders. Anti-copy-text, the appearance of micro printing, artificial watermarks and other Overt and Covert features."



PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 9049
Date: 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Proprietor

Ms SAJID NADEEM

V. S. Nair

K. Nair

Handwritten signature



Handwritten signature in green ink
PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0049 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

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M/s SAJID NADEEM
Proprietor



AGREEMENT TO SELL [WITHOUT POSSESSION]

Consideration Amount	3,50,00,000/-
Advance	10,00,000/-
Stamp Duty	7,00,100/-

THIS AGREEMENT ("Agreement") is made on this 15th day of July, 2021 at Kashipur, Udhm Singh Nagar, Uttarakhand:

BETWEEN

- Mr. Jasbir Singh** [PAN-BDBPN1321A] son of Late Shri Balwant Singh, presently residing at Moradabad Road, Opposite KPC School, Kashipur, District Udhm Singh Nagar, (hereinafter called the "**Seller 1**", which expression shall mean and include his legal heirs, successors, legal representatives, administrators, executors, nominees and assigns);

AND

- Mrs. Kawaljeet Narula** [PAN-ACNPN4860E] wife of Mr. Jasbir Singh, presently residing at Moradabad Road, Opposite KPC School, Kashipur, District Udhm Singh Nagar, (hereinafter called the "**Seller 2**", which expression shall mean and include her legal heirs, successors, legal representatives, administrators, executors, nominees and assigns);

AND

- Mr. Sajid Nadeem** [PAN-ACEPN2495C] son of Late Shri Kaley Khan Resident of H. No. 107, Tufail Garden, Katora Taal, Kashipur, Udhm Singh Nagar, Uttarakhand (hereinafter referred as the "**Purchaser**", which expression shall mean and include them, their respective legal heirs, successors, legal representatives, administrators, executors, nominees and assigns);

Seller 1 and Seller 2 are hereinafter collectively referred to as "**Sellers**".
The Sellers and the Purchaser are hereinafter collectively referred to as, the "**Parties**" and individually as, the "**Party**", as the context may require.

WHEREAS:

- The Sellers vide sale deed will as recorded in **Annexure - A** hereof ("**Sale Deeds**") have become joint and exclusive owners of the piece of land measuring 7.00 Acres, situated at Village Kanakpur, Kashipur, Udhm Singh Nagar, Uttarakhand, the details of which are provided in **Schedule A** of this Agreement ("**Said Land**").
- The Sellers have marketable title and absolute authority over the Said Land and the same is free from all encumbrances, charges, mortgages, gifts, liens, attachments, disputes, prior agreements, liabilities, unauthorized occupation, claims and litigation whatsoever and the Vendors are fully entitled to sell and dispose of the Said Land and receive the entire sale consideration.

- The Purchaser has approached the Sellers offering to purchase the Said Land and the Sellers have agreed to sell, convey, transfer and assign to the Purchaser, the Said Land, alongwith all rights of ownership, possession, privileges, connections, easements and appurtenances attached thereto for a consideration and on the mutually accepted terms and conditions between the Parties.

PAL ARCHITECT AND ENGINEER
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Mob.: 7895872139, 9412143346

Ms SAJID NADEEM
Proprietor
7.5

Proprietor
Ms SAJID NADDEM



PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 08-79 Date 11/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

[Signature]

उपनिबन्धक
काशीपुर
15-Jul-2021

इस लेख पत्र का निष्पादन विवेक से लिखित तथ्यों को सत्य व समझकर श्री जसवीर सिंह पत्र श्री बलवंत सिंह निवासी मुरादाबाद रोड, अपाजिट के.पी.सी स्कूल काशीपुर उद्यम सिंह नगर / श्रीमती कवलजीत कौर पत्नी श्री जसवीर सिंह निवासी मुरादाबाद रोड, अपाजिट के.पी.सी स्कूल काशीपुर उद्यम सिंह नगर / ने अधिम धनराशि मुबलिया रु 1,000,000.00 प्रवेक्षणसार पाकर निष्पादन स्वीकार किया। इस लेखपत्र का निष्पादन द्वितीय पक्ष श्री साजिद नदीम पत्र श्री स्व. काले खां निवासी H.NO 107, गुकैल गार्डन कटोरावाल काशीपुर उद्यम सिंह नगर / ने भी स्वीकार किया।

उपनिबन्धक
काशीपुर
15-Jul-2021

साजिद नदीम

[Signature]



श्री साजिद नदीम पत्र श्री स्व. काले खां निवासी H.NO 107, गुकैल गार्डन कटोरावाल काशीपुर उद्यम सिंह नगर ने आज दिनांक 15 Jul 2021 समय मध्य 11AM व 12PM को कायलिय उपनिबन्धक काशीपुर से प्रस्तुत किया।

रजिस्ट्रेशन शुल्क	रु 20,000.00
प्रतिबलि शुल्क	रु 100.00
इलेक्ट्रॉनिक प्रोसेसिंग शुल्क	रु 240.00
गुल योग	रु 20,340.00
शुल्क लगभग	1,000

Agreement
Sale of Property Where Possession Is Not Admitted to Have अधिम धनराशि रु: 1,000,000.00
प्रतिकूल रु : 35,000,000.00

वही संख्या 1 रजिस्ट्रीकरण संख्या 5030 वर्ष 2021

D. Pursuant to the negotiations and deliberations and relying upon the representations and warranties made by the Parties, the Parties have decided to execute this Agreement to record the mutually agreed terms and conditions, which are detailed hereunder, for sale and purchase of the Said Land on as is where is basis.

NOW THIS AGREEMENT WITNESSES AS UNDER:

1. PROPOSED TRANSACTION:

1.1. This Agreement records the understanding and agreement between the Parties as regards the proposed acquisition by the Purchaser of all the right, title and interest of the Sellers in respect of the Said Land and shall remain in force unless the same is terminated in accordance with the provisions of this Agreement.

1.2. Subject to satisfaction of the conditions mentioned hereunder, the Purchaser has agreed to acquire and the Sellers have agreed to sell and transfer, free from all encumbrances and claims, all the right, title and interest of the Sellers in respect of the Said Land, at or for the Sale Consideration (defined hereinafter), to be paid in the manner appearing hereinafter and on the terms and conditions and in the manner provided in this Agreement ("Proposed Transaction").

2. SALE CONSIDERATION

2.1 In consideration of the Sellers agreeing to sell and transfer all their right, title and interest in respect of the Said Land in favour of the Purchaser and subject to the compliance of the terms hereof, the Purchaser has agreed to pay to the Seller, a sum of Rs.3,50,00,000/-(Rupees Three Crore & Fifty Lakhs Only) ("Sale Consideration"). The Sale Consideration will be paid by the Purchaser to the Sellers in the manner as provided in Annexure - B hereof.

2.2 The Parties hereby confirm, agree and accept that the payment of the Sale Consideration in terms hereof will sufficiently and completely discharge the Purchaser of its liability to pay Sale Consideration or any amount in furtherance thereof to the Sellers or any third party.

2.3 Except as commercially agreed otherwise, each Party shall be responsible for undertaking its obligation and payment of its taxes including but not limited to the payment of its share of any income tax and/or such other indirect taxes, applicable on the transaction contemplated herein in accordance with applicable tax laws. All payments to be made under this Agreement or any other agreement executed pursuant hereto, shall be subject to withholding tax.

2.4 Simultaneously with the execution of this Agreement, the Purchaser shall have all the rights and interests in relation to the Said Land, including the rights to develop or deal with the Said Land or rights to assign the development over the Said Land.

3. EXECUTION OF THE DEFINITIVE DOCUMENTS

3.1 The sale deed and such necessary documents that are required to effectively transfer the title of the Said Land in favour of the Purchaser or his nominee and the GPA are herein after collectively referred to as "Definitive Documents".

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Mob.: 7895872139, 9412143346

Proprietor

Ms SAID NADEEM

PALSARCTECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0079 Date. 14/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

रजिस्ट्रीकर्ता अधिकारी
 उप-निबंधक, कोशीपुर

Proprietor
 Mrs SAJID NADEM

प्रति एवं साक्षीगण सर परीत होवे है। सभी के अंगुष्ठ चिह्न नियमानुसार लिखे गये है।



सहस्रद आधिकार



वसवीर सिंह



कवलजीत कौर



साजिद नदीम



सौ. आसिफ



वही संख्या 1 रजिस्ट्रीकरण संख्या 5030 वर्ष 2021

3.2 The cost of stamp duty and the registration charges in relation to the execution and registration of the Definitive Documents (wherever applicable) shall be borne by the Purchaser.

3.3 Upon execution of the Definitive Documents for Said Land or part thereof, as the case may be, legal, juridical and physical possession of the land will be handed over at the time of execution of Sale deed, by the Seller or cause to be handed over by the Sellers to the Purchaser or his nominee. Upon such transfer, the Purchaser shall be entitled to record his name as the owner of the Said Land or any part thereof with governmental authority as may be required to be made for the purpose of recording the transfer of the Said Land to and in favour of the Purchaser by the Seller, and the Seller hereby agrees to provide/cause to provide all necessary information, clarifications and documents requested by the Purchaser in this regard.

3.4 However, even after the payment of the Sale Consideration, if there is any default or delay in the execution of the Definitive Agreements by the Sellers, the Purchaser shall be entitled to get the Said Land transferred in his favour by approaching the court of appropriate jurisdiction.

3.5 It is clarified that in the event if the Said Land or any part thereof cannot be transferred or conveyed by the Sellers in favour of the Purchaser, the Sellers shall be liable to refund and repay the amount paid by the Purchaser to the Sellers.

4. REPRESENTATIONS AND WARRANTIES AND COVENANTS

4.1 The Sellers, in addition to the representations and warranties given in the Recitals above, hereby represent and warrant and covenants to the Purchaser, as on date, as under:

4.1.1. The Said Land is flat and fairly leveled.

4.1.2. The Said Land stands registered in the joint name of the Sellers in all property/revenue records and the Sellers are in quiet, vacant and peaceful possession thereof. The title thereto is free, clear and marketable and the Sellers are the lawful owner and has good right, full power and absolute authority to enter into this Agreement and no other person has any right, title or interest or share in Said Land.

4.1.3. The Said Land is contiguous with no presence of high-tension wires and no temple exists/ is standing thereon. The Said Land is fit for the construction and development of the Project to be constructed on the Said Land subject to necessary approvals.

4.1.4. The Sellers shall provide all relevant data and papers in connection with the ownership and title/patta (as applicable) of the Said Land.

4.1.5. There are no outstanding loans, dues with any of the authorities, banks, companies, individuals etc. on the Said Land and the Said Land is not subject matter of any charge, lien or encumbrance.

Ms SAJID NADEEM

Proprietor

PAL ARCHITECT AND ENGINEER
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Near by IDBI Bank, Dehradun (U.K.)
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Preparator

M/s SAJID NADEEM



4.1.6. There is no litigation, disputes, or encumbrances of any nature on the Said Land and the Sellers have not received any notice from any statutory body which affects or may affect the (i) Said Land and there is no prohibitory order or orders of attachment on the Said Land and from any other statutory authority for taxes, rates, levies or cesses, lawfully payable.

4.1.7. All taxes, cess, premiums, assessments, water charges, electricity charges or any other outgoings or amounts payable in respect of the Said Land till the date hereof have been duly paid by the Sellers, and there are no claims or disputes of any nature whatsoever pending with any competent authority in this regard;

4.1.8. As on the date of execution of this Agreement, the Said Land or any part thereof is not affected by any reservation, designation and/or acquisition and no part of the Said Land has been handed over or agreed to be handed over or required to be handed over to any authority towards set-back or road widening or for any other reason;

4.1.9. The Said Land or any part thereof is not subject to any order issued under Urban Land (Ceiling and Regulation) Act, 1976 and/or does not come within the purview of any law pertaining to Wetlands and/or Indian Forests Act, 1927. Further, the Sellers confirm that they have not received any notices and/or orders under the aforesaid statutes in respect of the Said Land or any part thereof.

4.1.10. No adivasi, tribal and/or minor owns the Said Land or any part thereof at any time.

4.2. The Purchaser represents, warrants and covenants to the Sellers, as under:

4.2.1. The Purchaser shall make timely payments for the purchase of the Total Land, in the manner as set out under this Agreement.

4.3 Each Party hereby represents and warrants to the other Party as under:

4.3.1 They have full power and authority to enter into, and comply with its obligations under this Agreement; and

4.3.2 The execution and delivery of this Agreement and the performance of the obligations and exercise of rights by the Parties under this Agreement do not:

4.3.2.1 conflict with or result in any material breach or violation of any of the terms and conditions of, or constitute a default under any agreement to which such Party is bound;

4.3.2.2 violate any order (judicial, regulatory or otherwise), injunction, award, decree or writ by any Governmental Authority against, or binding upon such Party; or

4.3.2.3 violate any applicable laws.

5. TERMINATION BY THE PURCHASER/SELLER AND CONSEQUENCES OF

5.1

The Purchaser shall have the right to terminate this Agreement

BAI ARCHITECT AND ENGINEER
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Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Proprietor
MISS SAJID NADEEM
7.5

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079 Date 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

pal

Ms SAJID NADEEM
Proprietor



5.1.1. If the title of the Sellers on Said Land or any part thereof, is not clear and marketable;

5.1.2. If there are any encumbrances or litigations on the Said Land;

5.A The Seller shall have the right to terminate this Agreement;

5.A.1. If the Purchaser fails to make payments on time as mentioned in schedule B.

5.A.2. Upon such termination, the seller shall refund all such amounts that he/she may have received, having subtracted a sum of rupees Ten Lakhs towards losses incurred on behalf of not being able to cultivate the Land.

5.2 Upon such termination, the Sellers shall refund the entire amount towards the Sale Consideration paid by the Purchaser to the Sellers (including tax deducted at source) ("Paid Consideration") without any interest within a period of 30 days from the date of notice by the Purchaser. In the event the Sellers are unable to make the entire payment within said period of [30] days, then the Sellers will be liable to pay interest @ 12% per annum on the amount due and payable from the date on which amount was payable till the actual date of payment.

5.3 Until the realization by the Purchaser of the Paid Consideration and the interest, if any, (i) the Sellers shall not be entitled to deal with the Said Land or any part thereof in any manner whatsoever; and (ii) the Purchaser shall have charge on the Said Land. Upon realization of the Paid Consideration and the interest, if any, by the Purchaser and execution of the sale deed by the Sellers in favour the Purchaser, (a) this Agreement shall stand terminated; (b) the Seller shall be thereafter entitled to deal with the Said Land in such manner as the Sellers may, in their sole discretion, deem fit.

6. INDEMNITY

Each of the Parties ("Defaulting Party") hereby indemnifies and agrees to keep indemnified, compensate, defend and hold harmless the other Party ("Non-Defaulting Party") against the actual costs, charges, damages, liabilities, expenses, claims, demands and/or penalties that may be suffered by the Non-Defaulting Party arising out of, or in connection with or otherwise in respect of any default committed by the Defaulting Party of any of the terms and conditions of this Agreement and/or on account of breach of any representations and warranties given under this Agreement by the Defaulting Party.

Provided that in the event of defect in title of the Said Land or part thereof, the Sellers shall be liable to indemnify the Purchaser in full against all the cost and expenses incurred by the Purchaser. The indemnity on defect in title shall be effective post execution of the Definitive Agreements.

7. EXCLUSIVITY

The Sellers hereby agree that during the subsistence of this Agreement i.e. until execution and registration of the Definitive Agreements or the termination of this

PAL ARCHITECT AND ENGINEER
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Proprietor

Ms SAJID NADEEM



Agreement ("Exclusivity Period"), the Sellers shall not: (i) participate in, solicit or encourage negotiations or discussions with any person in connection with the Said Land (or any part thereof) and/or any transaction similar to the transaction or otherwise enter into any documentation, contract, understanding or take any action with respect to any transaction of the Said Land that would impair the ability to undertake the transaction contemplated under this Agreement; (ii) have discussions or provide any information, either directly or indirectly, to any person (other than Purchaser) about Said Land or this transaction; and/or (iii) be permitted to reach out to lenders to seek financing in connection with the Said Land, or (v) alienate or otherwise encumber the Said Land, in each case, without the prior written approval of the Purchaser.

DISPUTE RESOLUTION

Any dispute, difference, claim, question or controversy, any contractual obligations, or the material breach, arising out of or in connection with this Agreement, including invalidity thereof ("Dispute"), shall be amicably resolved by the Parties within 30 (thirty) days of the written notification by one Party to the other of the existence of a Dispute, and if the Dispute cannot be resolved within the said period of 30 (thirty) days, then the Parties shall refer the Dispute to Arbitration in terms of the Arbitration and Conciliation Act, 1996, as in force on the date hereof or any subsequent amendment thereof. The arbitration shall be conducted by a panel of 3 (three) arbitrators. The Seller and the Purchaser shall each appoint 1 (one) arbitrator each and the 2 (two) arbitrators, thus appointed shall appoint a third arbitrator, who shall conduct the arbitral proceedings to decide the Dispute between the Parties. The language of the arbitration shall be Hindi/English and the seat of arbitration shall be Kashipur District Udham Singh Nagar. The Parties agree that the arbitration award shall be final and binding on the Parties.

This Agreement shall be governed and construed in accordance with the laws of India and subject to Clause above, the courts of Kashipur shall have exclusive jurisdiction to try and entertain such Disputes arising out of this Agreement.

MISCELLANEOUS

- 9.1 Unless otherwise specifically agreed under this Agreement, the Parties shall bear their own respective costs associated with the arrangement contemplated herein.
- 9.2 It is also agreed between the Parties hereto that the rights and privileges of the Purchaser as contemplated under this Agreement (including the Development Rights granted by the Sellers to the Purchaser) can be assigned and transferred by the Purchaser to any other person / entity nominated by the Purchaser to which the Sellers shall not raise any objection or demur.
- 9.3 Stamp duty and registration charges on this Agreement, Definitive Agreement and any other document executed pursuant hereto, shall be borne and paid by the Purchaser.
- 9.4 Each Party shall, at all times, keep confidential and shall not disclose to any third party any information of a confidential nature whether financial, technical or commercial which it may have acquired or obtained or may at any time hereafter acquire or obtain in relation to the other Party and / or the Proposed Transaction contemplated hereunder and shall not use or disclose such information except

[Signature]
Ms. SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
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Pal

Ms SAJID NADEEM
Proprietor



when required by law or regulatory or governmental body having jurisdiction over it. For the avoidance of doubt, it is clarified that the terms and conditions of this Agreement and the execution of this Agreement are also confidential in nature. The confidentiality obligations under this Clause shall continue during the term of this Agreement and shall survive the expiry/ termination of this Agreement for a period of one year thereafter.

9.5 Any notice or other communication whatsoever to be made or given under this Agreement shall be effective only if it is in writing and sent to the Party concerned at its address, as mentioned herein above. All documents to be furnished or communications to be given or made under this Agreement shall be in the English/ Hindi language and shall be in writing. All notices, communications, letters etc. required to be made or served and all communications in terms of this Agreement and/or under these presents shall be in writing and shall be deemed to have been duly made, served, communicated or received as per the following:

- (i) Immediately, if sent by facsimile transmission to the correct email id [snarula_10@yahoo.co.in] of the addressee or by a reputed courier service or by hand delivery; and
- (ii) Within 72 (seventy-two) hours of posting, if sent by prepaid registered post acknowledgment due or speed post acknowledgment due or by a reputed courier service only if the notice, letter or communication is addressed to the other Party at the addresses as provided herein above.

9.6 Neither the failure to exercise nor any delay in exercising, any right, power, privilege or remedy under this Agreement shall, in any way, impair or affect the exercise thereof or operate as a waiver thereof in whole or in part.

9.7 This Agreement is valid and binding upon the Parties and supersedes any and all prior negotiations, correspondence, agreements and understandings between the Parties in respect hereof and constitutes the entire understanding between the Parties with respect to the Proposed Transaction. This Agreement shall not be amended, varied, substituted or changed in any manner except by a written instrument duly signed by the Parties.

9.8 If any provision of this Agreement shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, such provision shall be ineffective to the extent of such invalidity, illegality, or unenforceability, without affecting, in any manner, the remaining provisions of this Agreement. Any such invalid, illegal or unenforceable provision shall be mutually replaced by the Parties with a provision that is valid and enforceable and which, as nearly as practicable, gives effect to the original intent of the invalid, illegal or unenforceable provision.

9.9 Headings to the clauses are for information only and shall be ignored in construing the Agreement.

9.10 Any reference to the words "herein", "hereto" and "hereunder" and words of similar import when used in this Agreement shall refer to clauses of this Agreement as specified herein.

[Signature]
Name
M/s SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Date: 14/11/22
Case No. 0037
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Proprietor

M/s SAJID NADEEM

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0049 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
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10. Time of Sale Deed : Seller must sell and buyer must buy the sechudule property

within a period of One Year.

SCHEDULE A : Land Situated at Village Kanakpur Tehsil Kashipur District Udham Singh Nagar bearing Khasra No.51min area 1-215 Hectare, Khasra No. 52min area 1-214 Hectare & Khasra No.52min area 0-405 Hectare Totally Measuring 2.834 Hectare i.e. 7 Acres. Bounded By- East By Rest Land of Sellers, West By Land of Mulak Singh etc., North By Road 13 fit wide & South By Land of Raunak Singh.

Payment Schedule B : Details as follows -

a- Rs.10,00,000/- Th.Cheque No.004671 Union Bank Kashipur.

b- Remaining in four equal quarterly instalments starting September 2021.

IN WITNESS WHEREOF the Parties hereto have hereunto set and subscribed their respective hands on the day and year hereinabove written.

J. Nanda
K Nanda

IT

Witness :

1- Mr.Rashid Siddiqui son of Mr. Abdul Rasheed Siddiqui R/o Mohalla Thana Sabik Kashipur. [3867 0839 7189]

M. Ashraf

2- Mohd. Ashraf Advocate, Kashipur.

M. Ashraf

Drafted By : Mohammed Ashraf Siddiqui Advocate, Kashipur.

M. Ashraf Siddiqui
M. Ashraf Siddiqui
Advocate
Kashipur (U.S. Nagar)
Reg. No. - U.P.8623/02

Ms SAJID NADEEM
Proprietor

Pal
PAL ARCHITECT AND ENGINEER
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Proprietor
M/s SAJID NADDEM

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रजिस्ट्रीकरण अधिकारी /
उप-निबंधक, काशीपुर
15 Jul 2021

पर आज दिनांक 15 Jul 2021 को रजिस्ट्रीकरण किया गया।

वही संख्या 1 जिल्द 6,453 के पृष्ठ 333 से 356 पर क्रमांक 5030

(Architecture Drawing)
Pradhan Mantri Awas Vikas Yojna EWS
(Kanakkpur Uddham singh nager)
(Uttarakhand)

M/s SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 8079 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346



Ms SAUD NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No CA/2018/96244
Case No. 0039
Date 14/11/22
Tapovan Road Infront of PRD Ground
Near BY Pass Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346



PAL ARCHITECT AND INTERIOR DESIGN
COA No. CA/2019/03-04
Case No. 90119
Near by IDBI Bank, Rajgurunagar (U.K.)
Rajgurunagar Road Inf. of PND Group
Mob: 7895872139, 9422143846

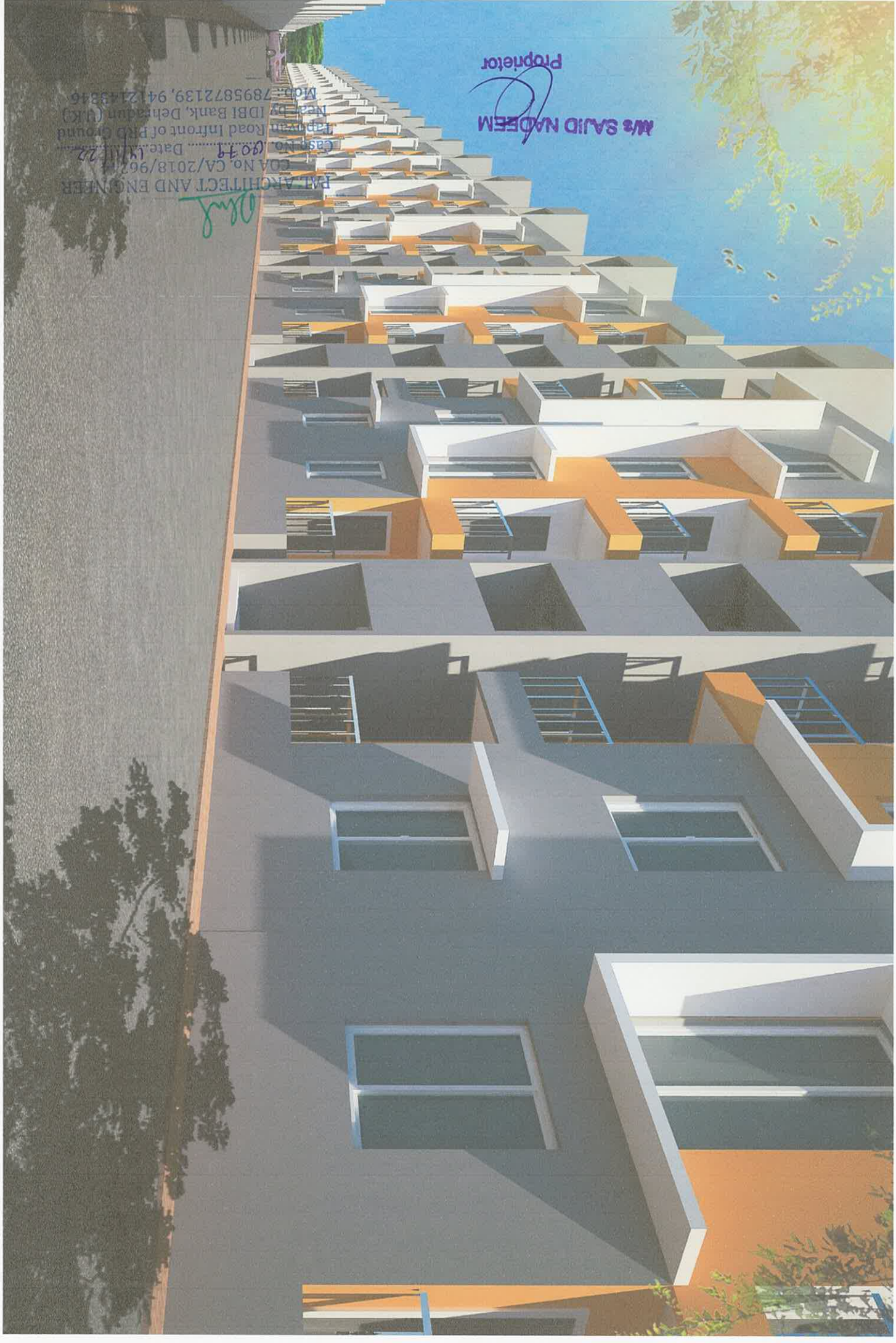
Proprietor
MR. SAJID NADEEM



Proprietor

M/s SAJID NADEEM

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 8079 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346



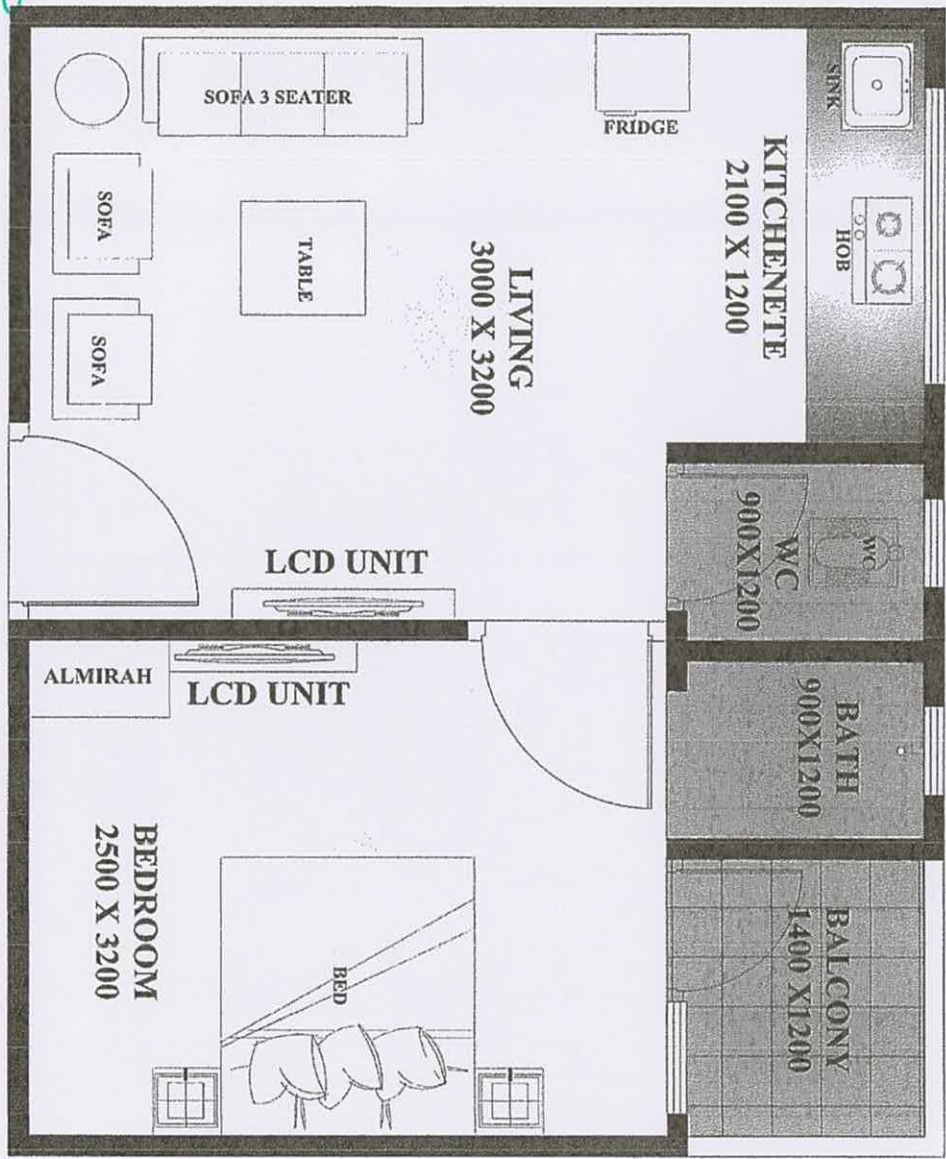
Ms SAJD NADEEM
Proprietor

PAT ARCHITECT AND ENGINEER
COA No. CA/2018/962/14
Case No. 6039
Date: 19/11/22
Tapovan Road Infront of PKD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143246

Handwritten signature

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0039
 Date 14/11/22
 Near by IDBI Bank, Dehradun (U.K.)
 Tapovan Road Infront of PRD Ground
 Mob.: 7895872139, 9412143346

M/s SAJID NADEEM
 Proprietor



PROPOSED
 SINGLE
 UNIT PLAN
 FOR EWS

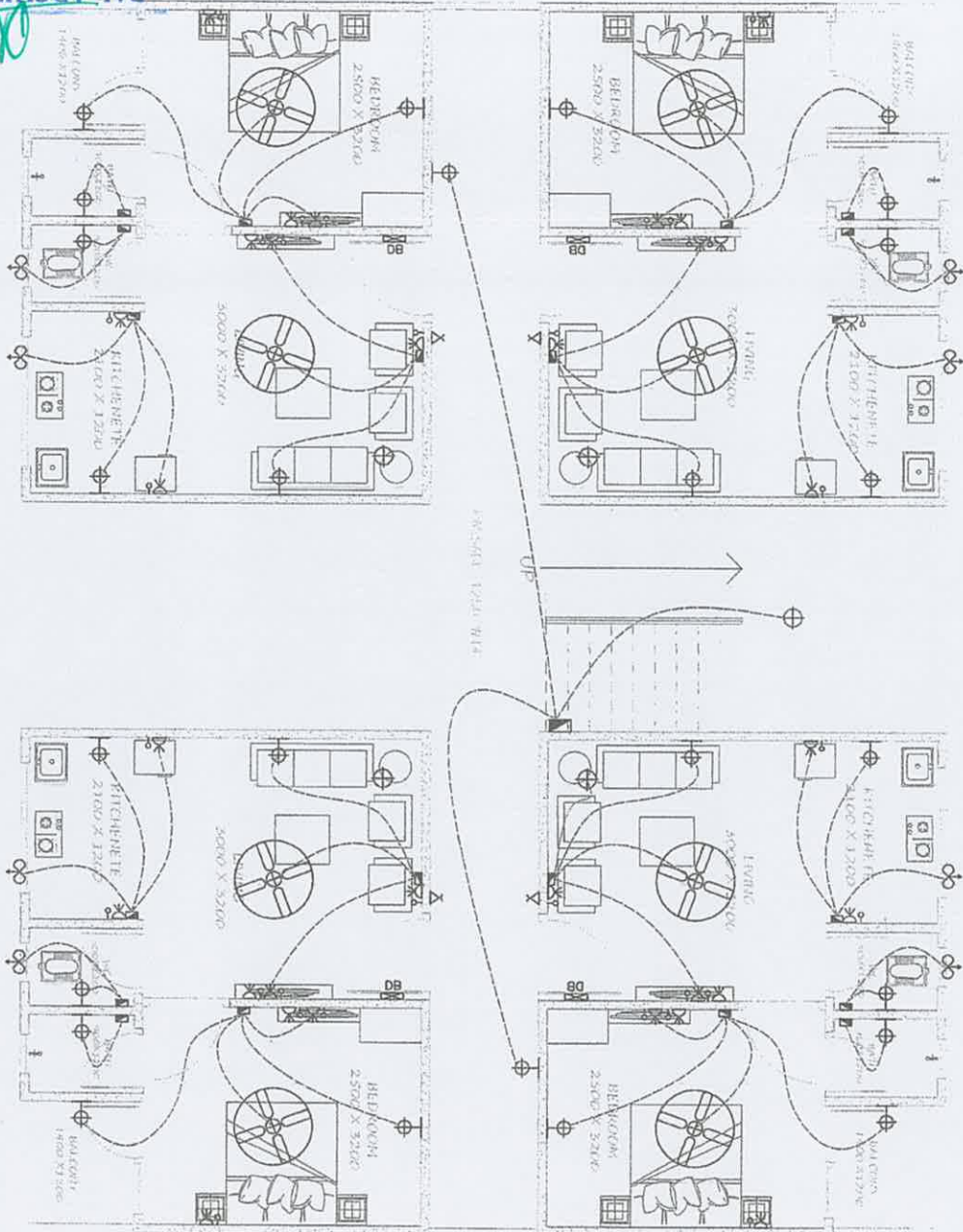
TYPE OF UNIT	CARPET AREA OF SINGLE UNIT (IN SQMT)	WALL AREA (IN SQMT)	TOTAL BUILT-UP AREA (IN SQMT)
EWS	23.24	2.38	25.30

Proprietor

M/S SAJID NADEEM

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 90/39
Date: 14/11/22
Near by IDBI Bank, Dehradun (U.K.)
Tapovan Road Infront of PRD Ground
Mob.: 7895872139, 9412143346

TYPICAL FLOOR PLAN EWS (GROUND, FIRST, SECOND & THIRD FLOOR)



LEGENDS :-

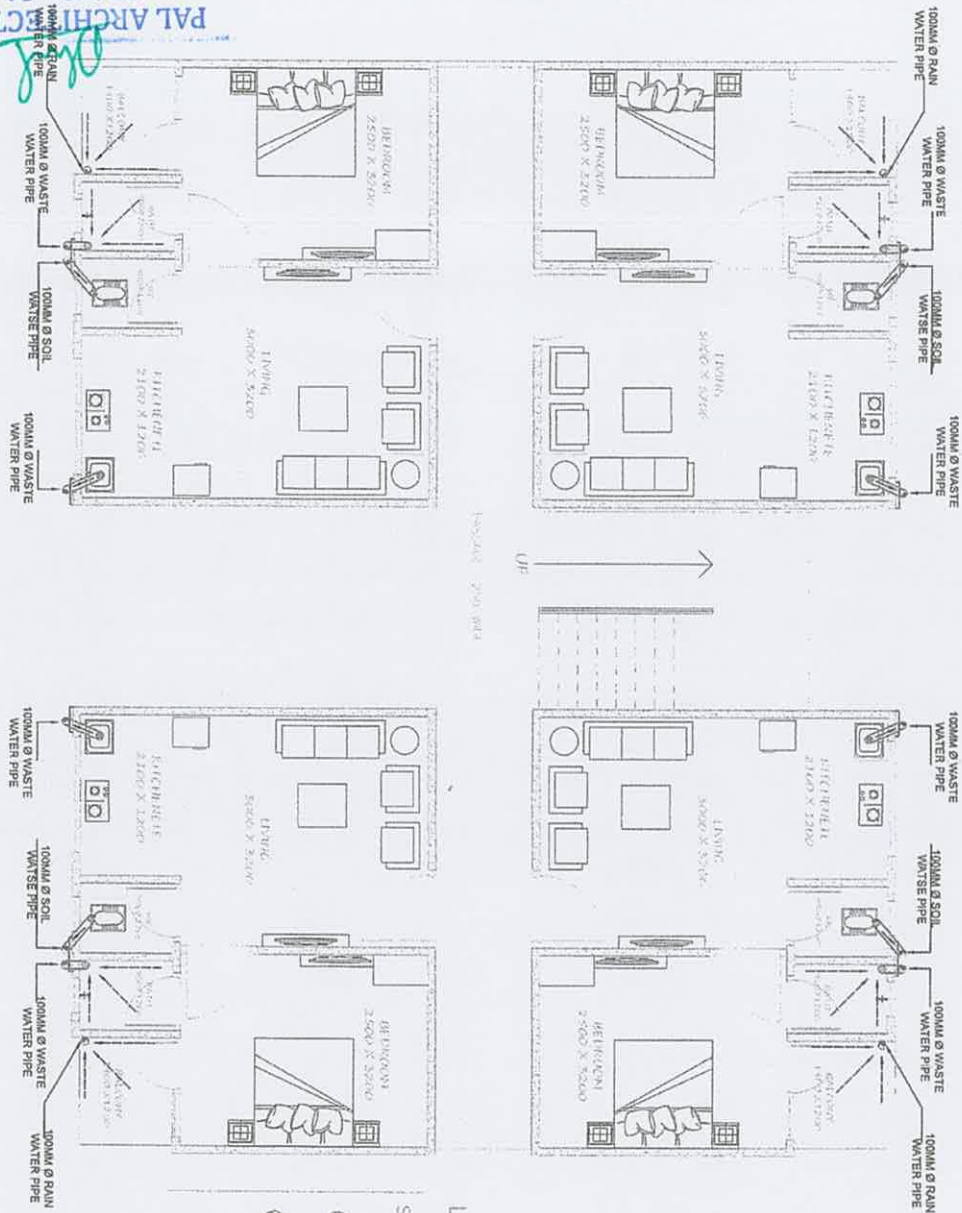
Symbol	NAME
	DISTRIBUTION BOARD (DB)
	CEILING LIGHT
	BRACKET LIGHT WALL MOUNTED
	CEILING FAN 900 MM DIA
	16A / 5A POWER PLUG
	SWITCH BOARD
	EXHAUST FAN
	DOOR BELL



Proprietor

M/s SAJID NADEEM

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. Date:
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346



LEGENDS :-

Symbol	DESCRIPTION
	100 Ø PIPE FOR SOIL WASTE
	100 Ø PIPE FOR WASTE WATER
	100 Ø FLOOR TRAP

PLUMBING LAYOUT

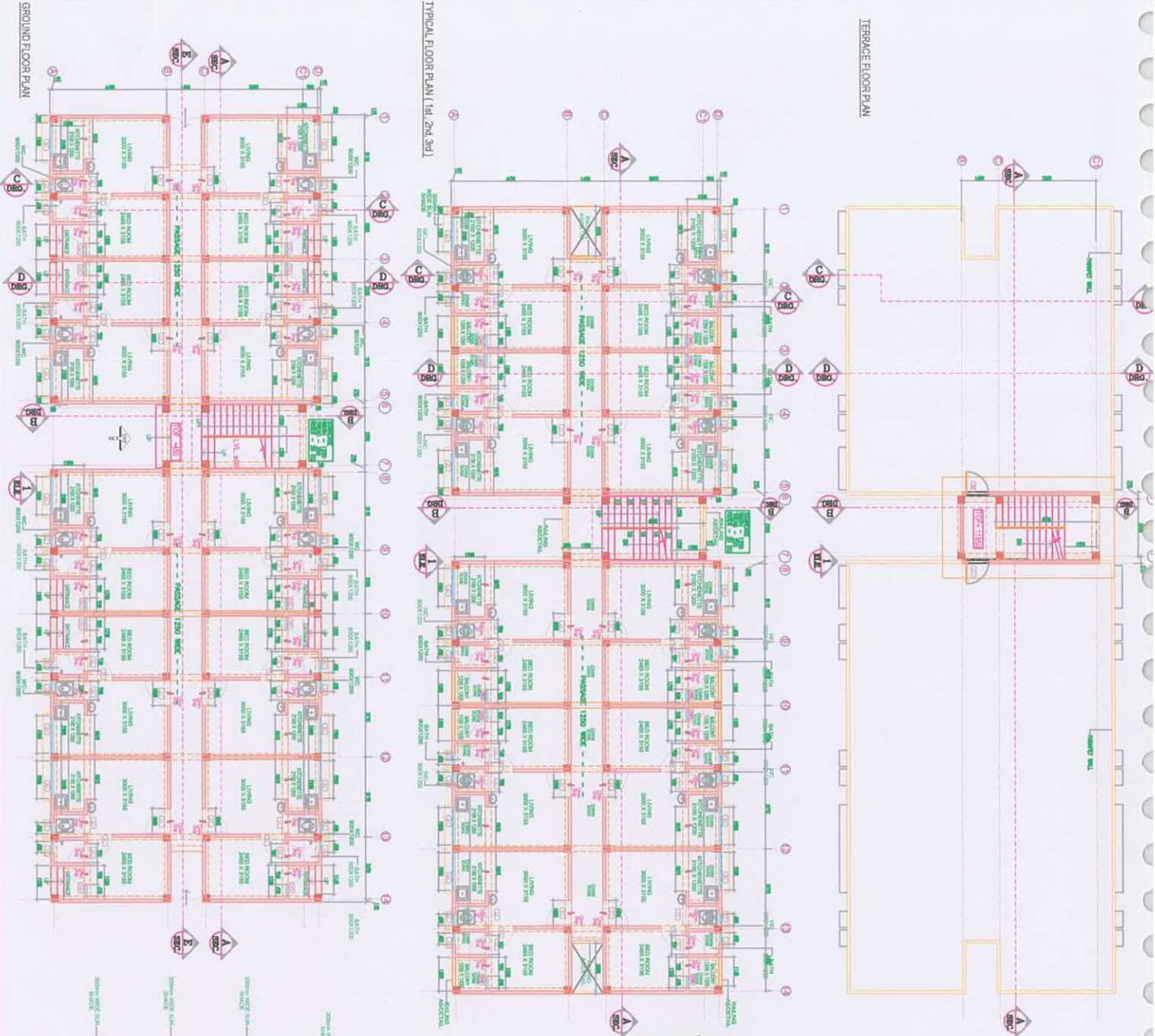
TYPICAL FLOOR PLAN EWS (GROUND, FIRST, SECOND & THIRD FLOOR)

04.02.21	1.20
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TERRACE FLOOR PLAN

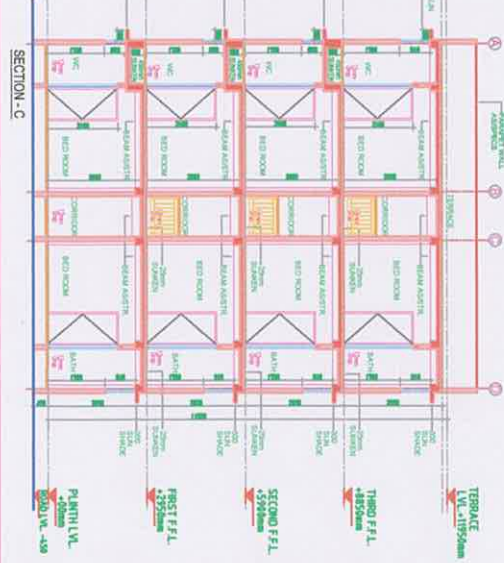
TYPICAL FLOOR PLAN (1st, 2nd, 3rd)

GROUND FLOOR PLAN



Proprietor
Mrs SAUD NADEM

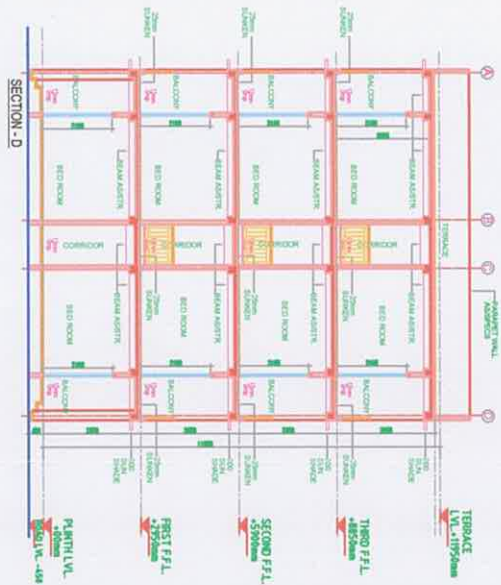
PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0049
Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346



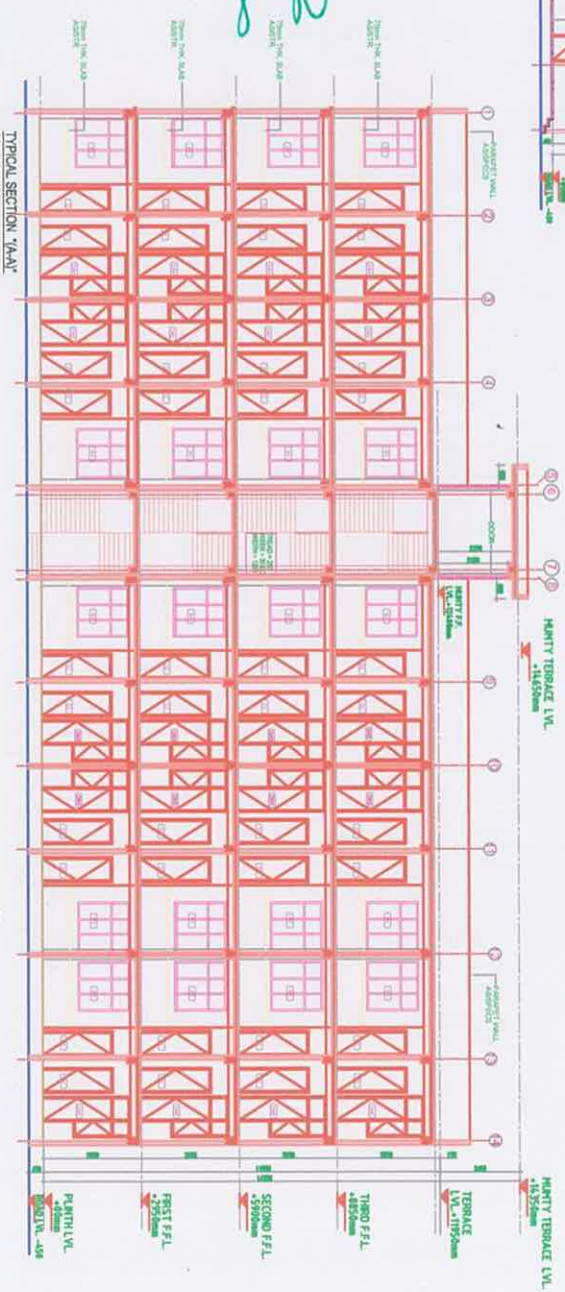
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PROJECT INFORMATION Project: PAL ARCHITECT AND ENGINEER Client: Mrs SAUD NADEM Location: Tapovan Road, Dehradun (U.K.)		DESIGN INFORMATION Design: PAL ARCHITECT AND ENGINEER Scale: 1:100 Date: 14/11/22		CONSTRUCTION INFORMATION Construction: PAL ARCHITECT AND ENGINEER Material: Concrete, Steel, Brick Foundation: 1.5m	
PROJECT INFORMATION Project: PAL ARCHITECT AND ENGINEER Client: Mrs SAUD NADEM Location: Tapovan Road, Dehradun (U.K.)		DESIGN INFORMATION Design: PAL ARCHITECT AND ENGINEER Scale: 1:100 Date: 14/11/22		CONSTRUCTION INFORMATION Construction: PAL ARCHITECT AND ENGINEER Material: Concrete, Steel, Brick Foundation: 1.5m	



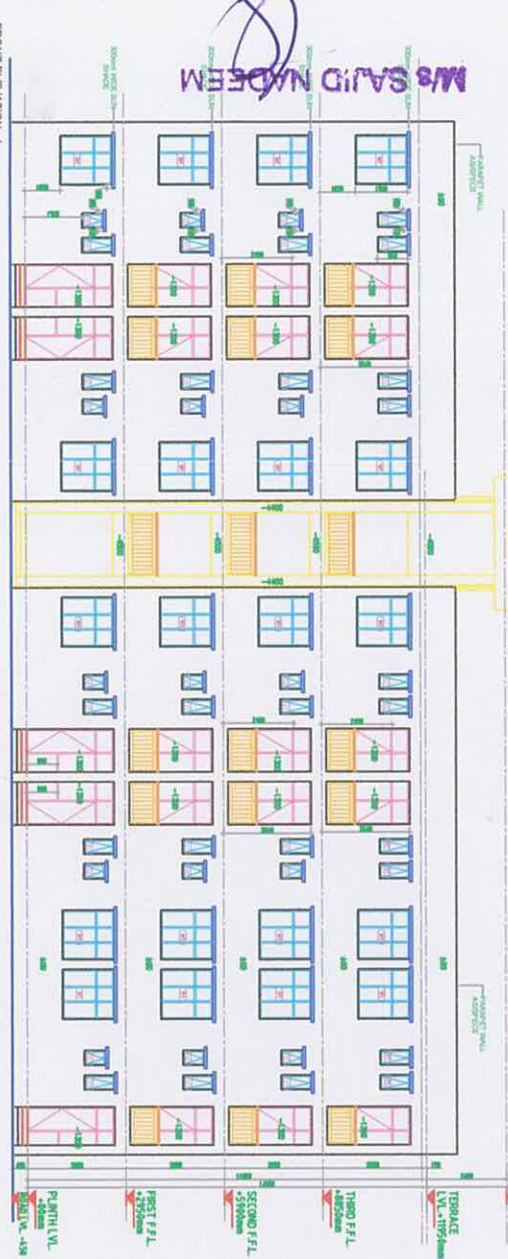
SECTION - E
SCALE - 1:100



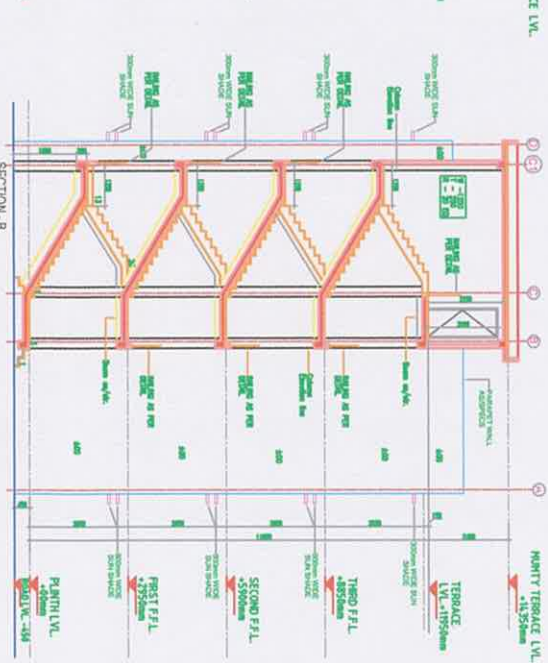
PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0079 Date: 11/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehadun (U.K.)
 Mob.: 7895872139, 9412143346



SECTION - D



TYPICAL SECTION "A-A"
SCALE: 1/8"=1'-0"



SECTION - B

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100										
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100																																																																																																			

EPC COORDINATION		
APPLICANT		
SUD MAGER		
PROJECT NAME/PROJECTS		
 SMO & ASSOCIATES SUD MAGER & ASSOCIATES 10000 10TH AVENUE, SUITE 1000 DENVER, COLORADO 80202 TEL: 303.733.8888 WWW.SMOANDASSOCIATES.COM		
Project		
PROPOSED NAME: DENVER KINZIE PLAZA KINZIE PLAZA, LITTLE ROCK		
Drawing Title ELEVATION & SECTION UNIT - 10		
Drawing Purpose GOOD FOR CONSTRUCTION		
Job number	Date	Page
1001-1-100		
City and state	Date	
June 2022		
Drawn by	Checked by	Approved by
Drawing number		
PMAA/V4002		
Rev. 11	Rev. 11	
31.06.22		

25x25mm H.S. HOLLOW SECTION WELDED WITH H.S. PLATE

75x75mm H.S. PLATE INSERT IN RCC AT THE TIME OF CASTING

PLASTERED WORK

100 H.S. BAR WELDED TO PLATE 8C 45/5R

SHEDDING

BALCONY

DECK

120

100

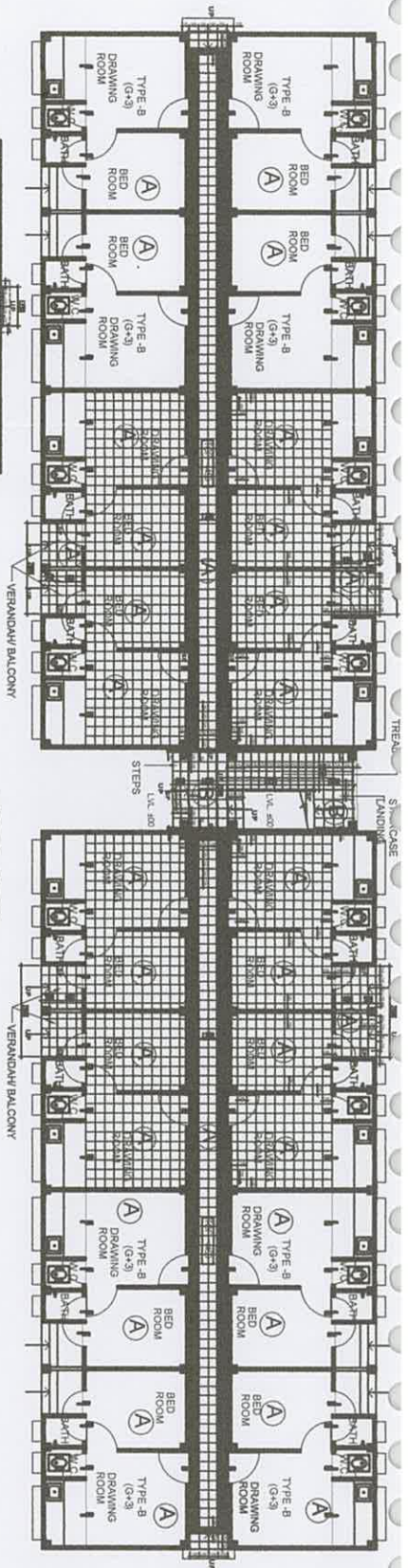

$$\frac{\text{Del-Y}}{\text{Scale 1:5}}$$


SECTION-A-A

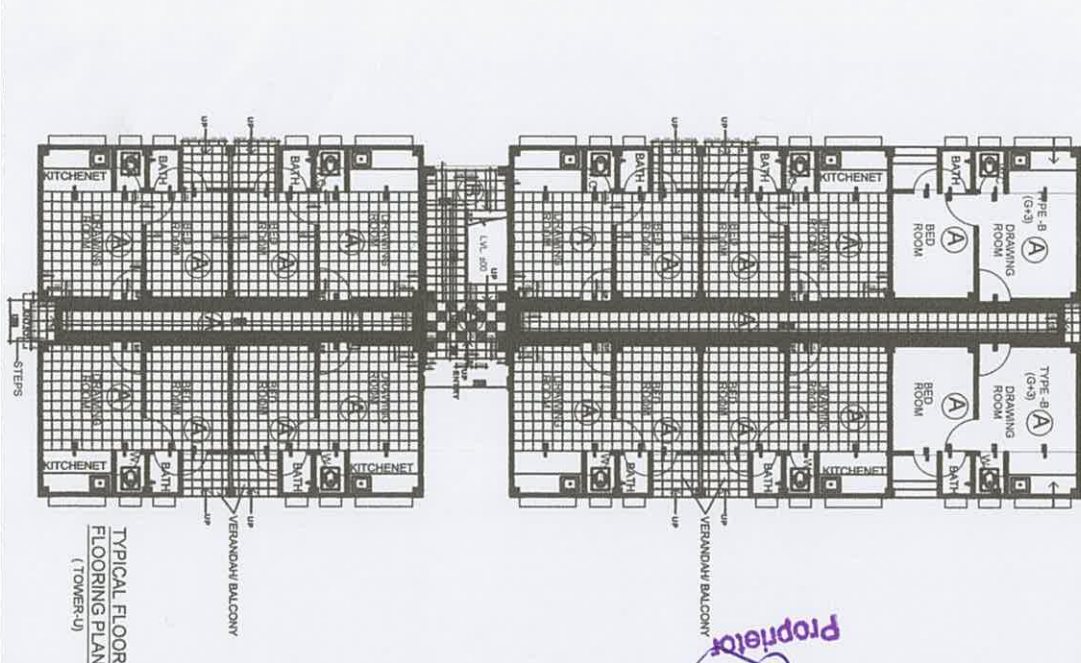


MS H 100

 G&G & ASSOCIATES ARCHITECT ENGINEER PLANNERS 10000 W. 16TH AVE., SUITE 1000 DENVER, CO 80202 303.751.8700 www.gga.com		PROJECT PROPOSED MAY EMBASSY TOWER KANSAS CITY, MISSOURI	
Drawing Title BALCONY RAILING DETAIL		Drawing Purpose GOOD FOR CONSTRUCTION	
Job Number	Scale	Date	Rev.
	1/25/02	MARCH 2022	
CAD file ref.	Drawn by	Checked by	Approved by
	RLBHMT		
Drawing Number	Rev.		
PMAYW/DD-04	R0		



TYPICAL FLOOR
FLOORING PLAN
(TOWER-A: G, D, E, F, G, H,
J, K, L, M, N, O, P, Q, R, S, T)



TYPICAL FLOOR
FLOORING PLAN
(TOWER-U)

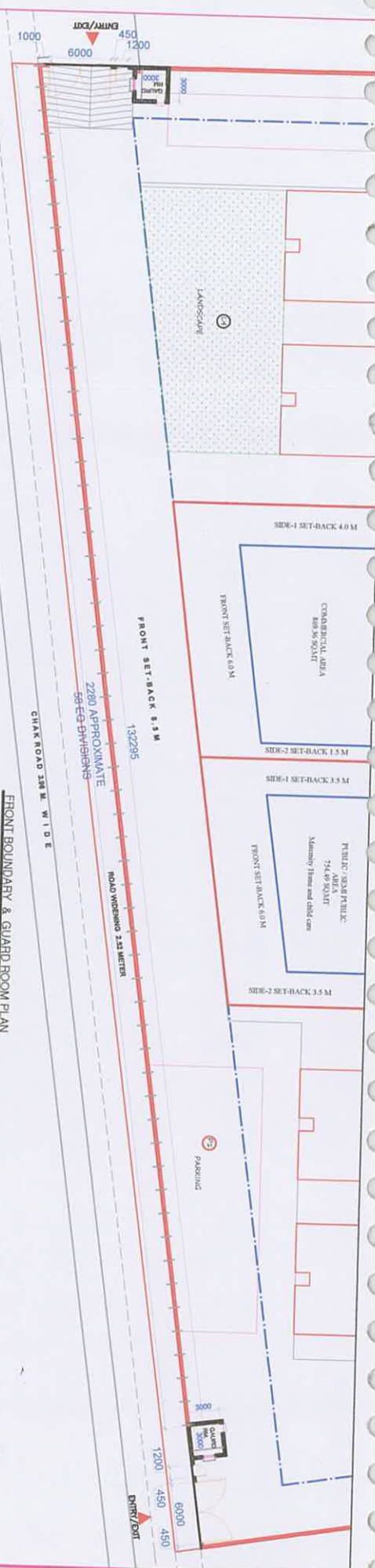
M/s SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0029
Date: 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

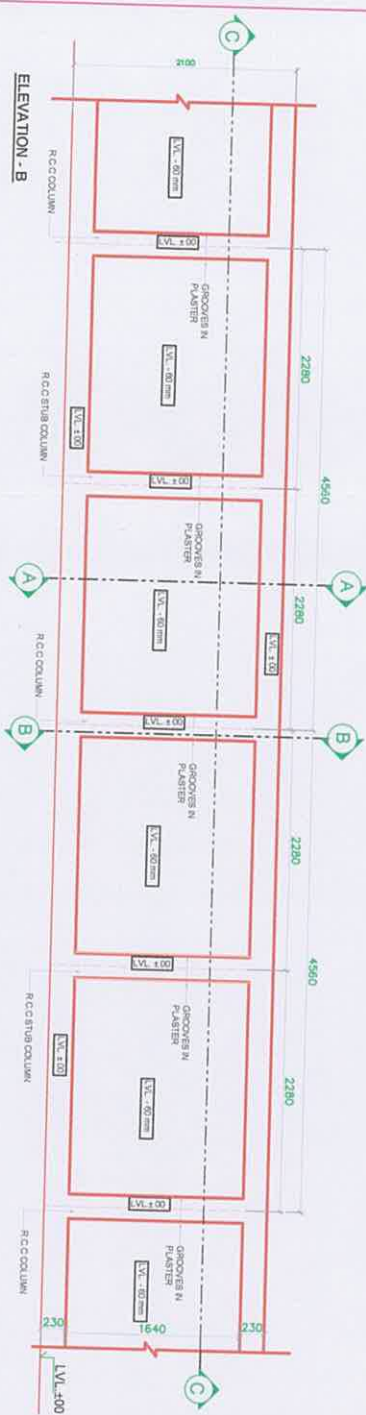
LEGEND	
A	MATTE FINISH CERAMIC FLOOR TILES & MATCHING SKIRTING UP TO 100MM ON WALLS (300MM X 300MM)
B	PRECAST CEMENT CONCRETE TILES (300MM X 300MM)

- NOTES**
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 3. THE DRAWING SHALL BE READ IN CONJUNCTION WITH ALL NOTES, SPECIFICATIONS, SCHEDULES, AND LEGENDS.
 4. ANY DISCREPANCIES IN THE DRAWINGS OR AT SITE SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS IMMEDIATELY.
 5. FOR DETAILS REFER TO THE ARCHITECTS' STANDARD DETAILS.
 6. MATERIALS TO BE PROVIDED FOR SLABS IN ALL SHEDS AND OTHERS EXCEPT TIE BARS & VENTILATING CURTAINS SHALL BE AS PER THE SPECIFICATIONS.
 7. HOLLOW BLOCKS AND SERVICES SHALL BE PROVIDED TO BE SET ON BEDDING COMPARTMENT WITH SERVICES CONTRACTORS FOR THE INSTALLATION OF ALL SERVICES.
 8. FLOOR FINISH FOR TILES SHALL BE 20MM AND AT 1:1 RATIO FOR TILES SHALL BE 20MM UNLESS OTHERWISE SPECIFIED.
 9. ALL MASONRY WALLS TO BE 230MM THICK UNLESS OTHERWISE SPECIFIED AND ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
 10. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
 11. SLAB FINISH FOR TILES SHALL BE 20MM UNLESS OTHERWISE SPECIFIED.
 12. FOR DETAILS REFER TO THE ARCHITECTS' STANDARD DETAILS.

APPLICANT: SAJID NADEEM	
PROJECT ARCHITECTS: GARG & ASSOCIATES ARCHITECTS ENGINEERS PLANNERS 101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/1222/1223/1224/1225/1226/1227/1228/1229/1230/1231/1232/1233/1234/1235/1236/1237/1238/1239/1240/1241/1242/1243/1244/1245/1246/1247/1248/1249/1250/1251/1252/1253/1254/1255/1256/1257/1258/1259/1260/1261/1262/1263/1264/1265/1266/1267/1268/1269/1270/1271/1272/1273/1274/1275/1276/1277/1278/1279/1280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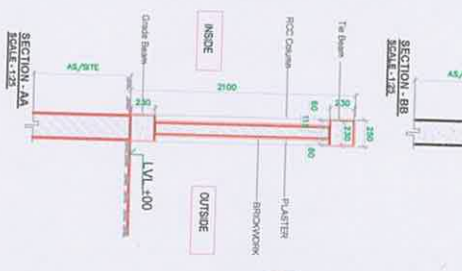
FRONT BOUNDARY & GUARD ROOM PLAN
SCALE - 1:200



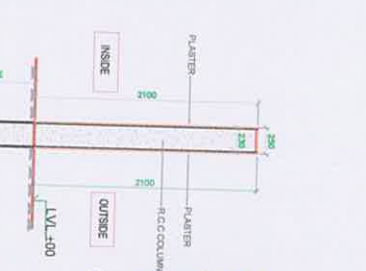
ELEVATION - A



ELEVATION - B



SECTION - A-A



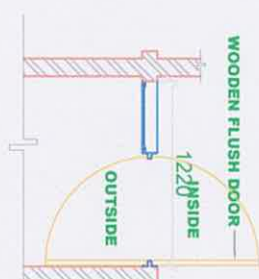
SECTION - B-B

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0049
Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Mrs SAJID NADEEM
Proprietor

Project	PROPOSED WALL ENGINEERING DRAWING
Client	SAJID NADEEM
Location	Tapovan Road Infront of PRD Ground
Scale	1:25, 1:50
Date	14/11/22
Drawn By	SAJID NADEEM
Checked By	SAJID NADEEM
Approved By	SAJID NADEEM
Project No.	PM/2021
Sheet No.	1

M/S SAUD NADDEM

ELEVATION (DW5)

PLAN (DW5)

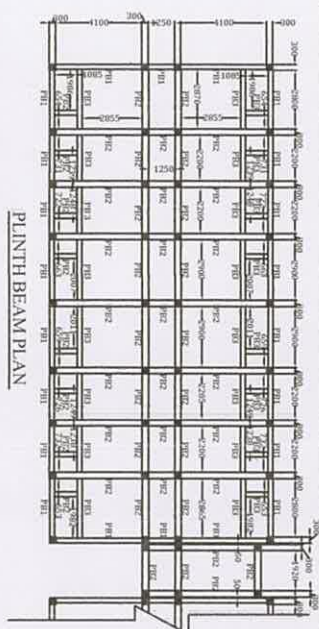
Location	Bed room/balcony	Location	Bed room/balcony	Location	Bed room/balcony	Location	Bed room/balcony
Type	DW2	Type	DW3	Type	DW4	Type	DW5
Opening Size	1300 X 2100/1710	Opening Size	1270 X 2100/1710	Opening Size	1255X 2100/1710	Opening Size	1220 X 2100/1710
Frame Section	M.S. Section	Frame Section	M.S. Section	Frame Section	M.S. Section	Frame Section	M.S. Section

PAL ARCHITECT AND ENGINEER
 COA NO. CA/2018/96244
 Case No. 0059
 Date: 14/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

(Structure Drawing)
Pradhan Mantri Awas Vikas Yojna EWS
Kanakpur Uddham singh nager)
(Uttarakhand)

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0049 Date 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

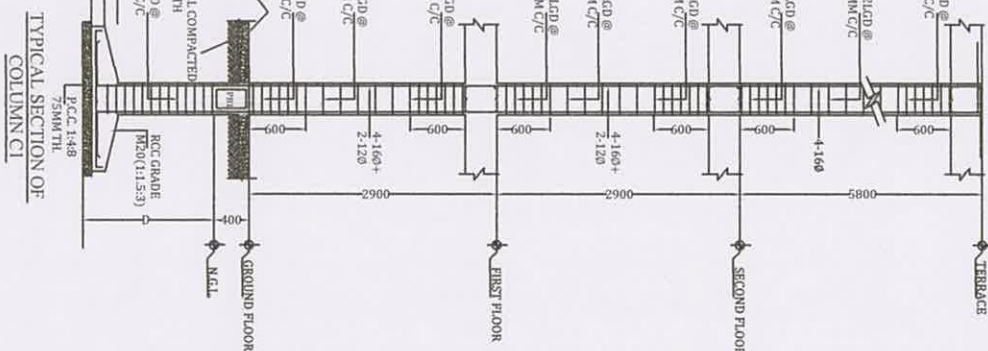
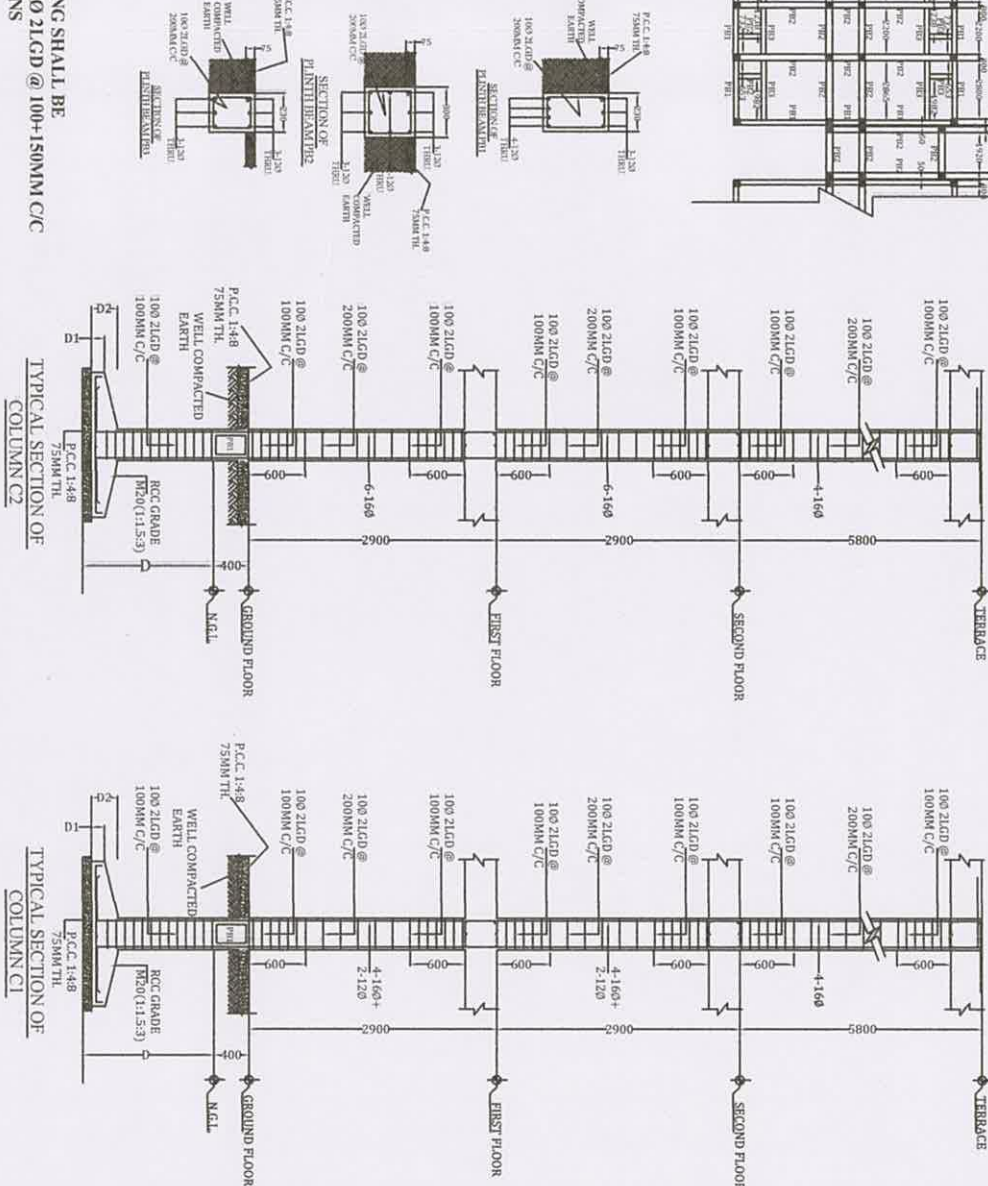
M/s SAJID NADEEM
Proprietor



CEILING NAME	B X D (MM)	REINFORCEMENT DETAIL	REMARKS
C1	300 X 300		FROM FOUNDATION TO SECOND FLOOR TO TERRACE
C2	300 X 300		FROM SECOND FLOOR TO TERRACE

NOTE:
IF 80/2 LCD STIRRUPS ARE USED THEN SPACING SHALL BE 80/2 LGD @ 150MM C/C IN PLINTH BEAM AND 80/2 LGD @ 100+150MM C/C (END & MID ZONE RESPECTIVELY) IN COLUMNS

PROJECT	DRG. NO.	TITLE	REV.	DATE
PROPOSED EW'S GROUP HOUSING UNDER PRADHAN MANTRI AWASAYA YOJANA (MODEL 2) UNIT 16 KANKAPUR, KASHIPUR, UTTARAKHAND	2	PLINTH LEVEL PLAN AND DETAIL OF COLUMN AND TIE BEAM	R4	18/09/2022
			G.F.C.	



Then, FIE FIVE-4-STRUCT-E, LMUCLM-RC
Authorized Structural Engineer (ASE)
Regd. No DOH-UKG-4ASE-6/2019
203, Turaplace, Nanital Road, Haldwani
Dist. Nainital (Uttarakhand) Mo-953777 4717

NOTE :-
1. DRAWING NOT TO SCALE FOLLOW WRITTEN DIMENSIONS ONLY
2. ALL DIMENSIONS ARE IN M.M. UNLESS STATED OTHERWISE
3. THE R.C.C. GRADE FOR FOUNDATION, COLUMN, BEAM, SLAB & WALL SHALL BE OF M 20
4. STEEL REINFORCEMENT BARS ARE TO BE HIGH YIELD STRENGTH COLD TWISTED DEFORMED BARS (FE 500 GRADE) AS PER IS 1786: 2008 BEFORE USE IT SHOULD BE TESTED AND RECORDED.
5. THE QUALITY OF MATERIALS USED IN CONCRETE SHALL BE CHECKED REGULARLY AND LAB TEST SHALL BE DONE TO ENSURE THAT SPECIFICATIONS ARE MET
6. THE CONCRETING SHALL BE DONE BY WEIGHT
7. REGULAR CUBE CASTING AND TESTING SHALL BE DONE AT SITE AND RECORD SHALL BE MAINTAINED.
8. P.C.C SHALL BE OF GRADE M-7.5 (1:4:8) 75 MM THICK IN FOUNDATION.
9. DEVELOPMENT LENGTH SHOULD BE MIN. 45d (WHERE d = DIA OF BAR)
10. CLEAR COVER OF 25 MM IN BEAM, 30 MM IN COLUMN AND 50 MM IN FOUNDATION.
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16. STRUCTURE IS DESIGNED FOR A S.B.C. OF 7.5T/M2
17. ALL SLABS FROM GF TO FF TERRACE 110 MM THICK EXCEPT NOTED OTHERWISE

Pal

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. ~~0039~~..... Date: 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

DESIGNED BY: ER. HARIT VERMA
B.TECH (CE)
AM-IEI

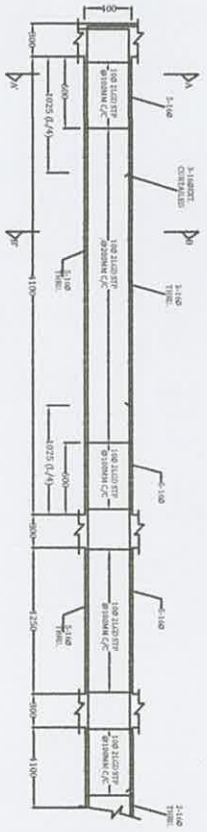
CONSULTANT

M.V.P. CONSULTANT & ASSOCIATES
203, TARA PLACE MAINITAL ROAD
HAIDVAMNI
Email: consultantmv@gmail.com

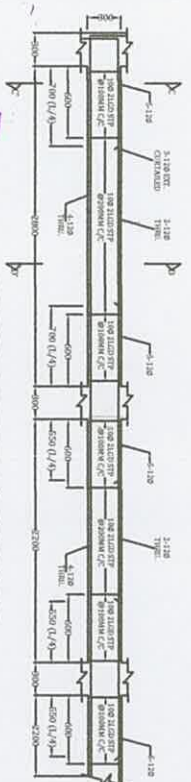
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DESIGNED BY: ER. HARIT VERMA B.TECH (CE) AM-IEI	CONSULTANT M.V.P. CONSULTANT & ASSOCIATES 203, TARA PLACE NAINITAL ROAD HAIDWANI Email: consultantmv@gmail.com
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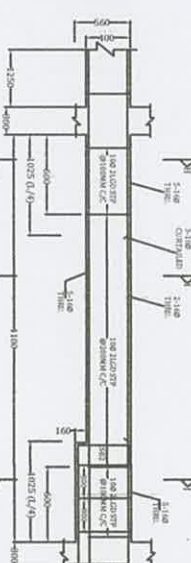
BEAM PLAN



REINFORCEMENT DETAIL OF BEAM B



REINFORCEMENT DETAIL OF BEAM B2



REINFORCEMENT DETAIL OF BEAM B4



REINFORCEMENT DETAIL OF BEAM B3



REINFORCEMENT DETAIL OF
BEAM SBI



SCHEDULE FOR SLAB BEAM

BEAM	WIDTH (B/(MM))	DEPTH (D/(MM))	
			AT SUNK
B1	230	400	-
B2	230	300	-
B3	230	300	560
B4	230	400	560
SB1	230	300	-
SB2	230	560	560
SB3	230	300	-



REINFORCEMENT DETAIL OF BEAM SB3

REINFORCEMENT DETAIL OF
BEAM SB3

DETAIL OF LANDING BEAM



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PROJECT	DRG. NO.
PR... 96	EN

TITLE

<u>REV.</u>	<u>DATE</u>
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STRUCTURE ENGG. SIGN

DESIGNED BY:

CONSULTANT

PROPOSED EWS GROUP HOUSING
UNDER PRADHAN MANTRI
AWASAYA YOJANA (MODEL 2)
UNIT-10 KANAKPUR, KASHIPUR,
UTTARAKHAND

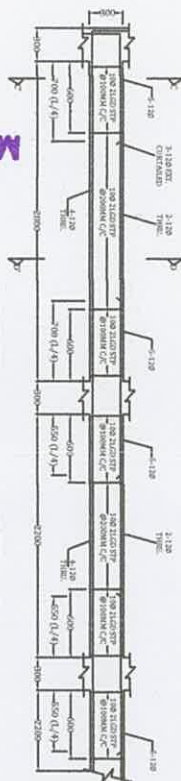
DETAIL OF TYP. FIRST,
SECOND, THIRD FLOOR
SLAB BEAM

R4	18/09/2022
G.F.C	

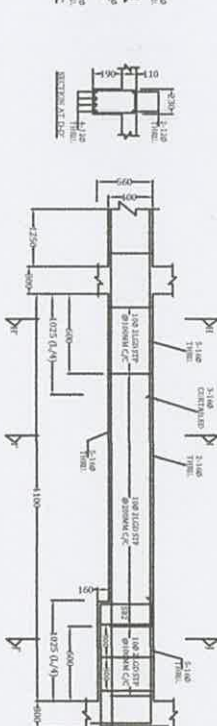
J.C. Bellair
1. Tech. FEE RVT-VA-Snow-E, LHAICLUM-ROC
Authorised Structural Engineer (ASE)
Reg'd. No DOH-UKG-VA-SE-6/2019
2021, Torrance, Nantahel Road, Hayward
CA 94541 (Uttarakhand) Mob-993177747W

ER. HARIT VERMA
B.TECH (C.E.)
AM-IEI

M.V.P. CONSULTANT & ASSOCIATES
203, TARA PLACE NAINITAL ROAD
HALDWANI
Email: consultantmvp@gmail.com



REINFORCEMENT DETAIL OF BEAM B2



REINFORCEMENT DETAIL OF BEAM B4



REINFORCEMENT DETAIL OF BEAM B3



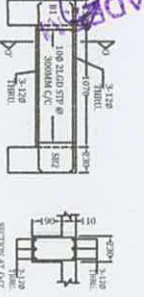
REINFORCEMENT DETAIL OF
BEAM SBI



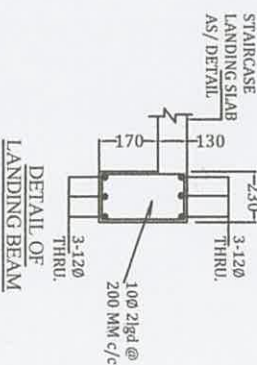
REINFORCEMENT DETAIL OF BEAM SB2



REINFORCEMENT DETAIL OF
BEAM SB3



SCHEDULE FOR SLAB BEAM			
BEAM	WIDTH (B)(MM)	DEPTH (D)(MM)	
			AT SUNK
B1	230	400	-
B2	230	300	-
B3	230	300	560
B4	230	400	560
SB1	230	560	-
SB2	230	300	560
SB3	230	300	-



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<u>PROJECT</u>	<u>DRG. NO.</u>
9	
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TITLE

REV.	DATE
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STRUCTURE ENGG. SIGN

PROPOSED EWS GROUP-HOUSING
UNDER PRADHAN MANTRI

AWASIYA YŌJANA (MODEL 2)

UNIT 16 KANAKPUR, KASHIPUR.

3

DETAIL OF TYP. FIRST,
SECOND, THIRD FLOOR
SLAB BEAM

R4	18/09/2022
GFC	

K.C. Bhatnagar
1 Tech, FIE FVY-4A Street E, LMAOILM-IPC
Authorized Structural Engineer (ASE)
Regd. No DOH-UKG-VASE-52019
201 Terrence, Nambal Road, Halfwami

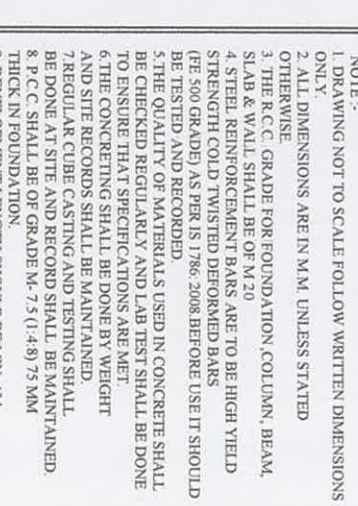
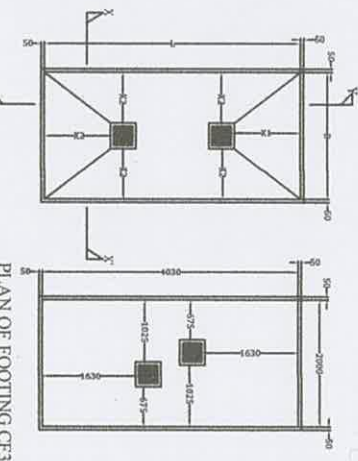
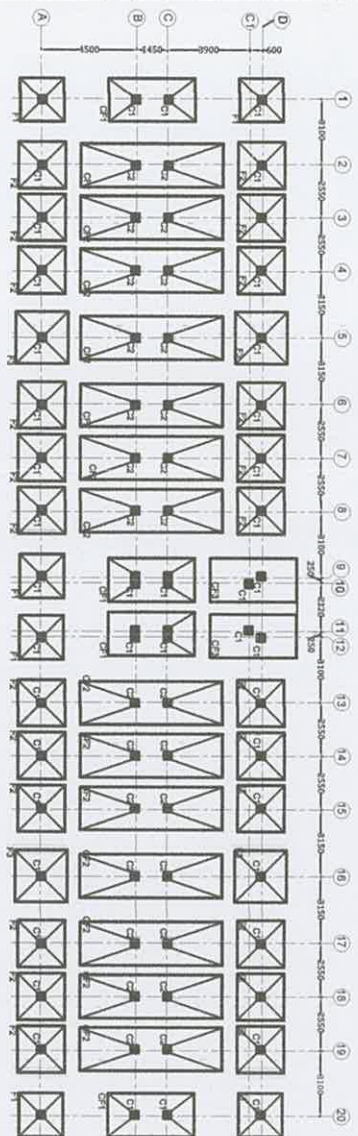
DESIGNED BY:

ER. HARIT VERMA/
B.TECH (C.E)
AM-JEI

CONSULTANT

M.V.P. CONSULTANT & ASSOCIATES
203, TARA PLACE NAINITAL ROAD
HALDWANI

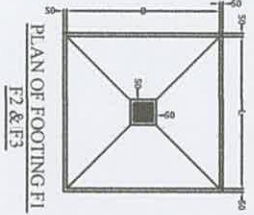
Email: consultantmvp@gmail.com



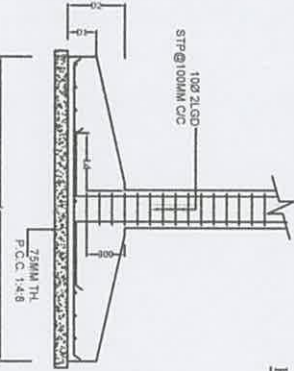
TRENCH PLAN OF FOUNDATION

SCHEDULE FOR ISOLATED FOOTING (M20 : FE 500)

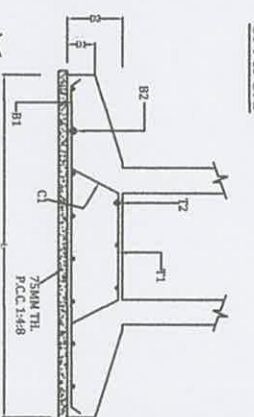
FOOTING NAME	FOUNDATION DETAIL		FOUNDATION REINFORCEMENT		
L X B	D1	D2	ALONG SHORT SPAN	ALONG LONG SPAN	
F1	2020 X 2020	150	300	120 @ 180 MM C/C	120 @ 200 MM C/C
F2	2160 X 2160	200	400	120 @ 180 MM C/C	120 @ 200 MM C/C
F3	2400 X 2400	200	400	120 @ 180 MM C/C	120 @ 180 MM C/C



SECTION OF FOOTING F1, F2 & F3

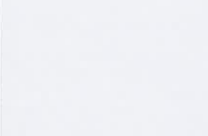
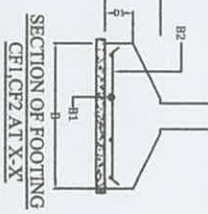
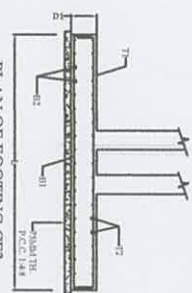


SECTION OF FOOTING CF1, CF2 AT Y-Y'



SCHEDULE FOR COMBINED FOOTING (M20 : FE 500)										
FOOTING NAME	FOUNDATION DETAIL					FOUNDATION REINFORCEMENT				
	L X B	D1	D2	X1	X2	T1	T2	B1	B2	C1
CF1	4030 X 2000	150	300	1090	850	4.120	120 250 MM C/C	8.120	120 250 MM C/C	4.120
CF2	6650 X 2000	300	600	2400	850	6.200	160 250 MM C/C	11.200	160 250 MM C/C	6.200
CF3	4030 X 2000	400	-	AS PER DRG		6.160	160 250 MM C/C	10.160	160 200 MM C/C	-

NOTE: THE DEPTH OF FOUNDATION FROM N.G.L. SHALL BE 2000 MM



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PROJECT	DRG. NO.	TITLE	REV.	DATE	STRUCTURE ENGG. SIGN
PROPOSED EWS GROUP HOUSING UNDER PRADHAN MANTRI AWASIYA YOJANA (MODEL 2) UNIT 16 KANAKPUR, KASHIPUR, UTTARAKHAND	1	PLAN & DETAIL OF FOUNDATION	R4	18/09/2022	G.F.C.

A.C. Bhatnagar
Authorized Structural Engineer (IABE)
Regd. No. DDH/JC/2018/2019
203, Tropicana, National Road, (Noida)
Dist. Gautam Buddha Nagar, UP-201301
Mob: 9957114714

M/S SAJJAD NADEEM

Proprietor

PAL ARCHITECT AND ENGINEER

COA No. CA/2018/96244

Case No. 19/11/22

Date: 19/11/22

Tapovan Road Infront of PRD Ground

Near by IDBI Bank, Dehradun (U.K.)

Mob.: 7895872139, 9412143346

DESIGNED BY:	CONSULTANT
ER. HARIT VERMA B.TECH (CE) AM-IEI	MVP CONSULTANT & ASSOCIATES 203, TARA PLACE NANITAL ROAD HALDWANI Email: consultantmvp@gmail.com

19 TOWER A TO H & J TO T BILL OF QUANTITY PMAY EWS KANAKPUR (UDHAM SINGH NAGAR) (UTTARAKHAND)

S.NO.	DSR - 21	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
EARTH WORK						
1	2.28	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.				
2	2.28.1	All kinds of soil	sqm	20235	28.15	569615.25
3	2.32	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	4047	7.4	29947.8
4	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge. 2.6.1 All kinds of soil				
5	2.6.1	All kinds of soil	cum	14974	205.45	3076408.3
6	2.36	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	cum	2245.94	76.7	172263.598
SUB TOTAL						
3848234.948						
CONCRETE WORK						
7	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
8	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	1538.29	6326.05	9731299.455
9	4.20.1	4.20.1 All works upto plinth level :				
10	4.20.1.3	Concrete of M20 grade with minimum cement content of 270 kg /cum	cum	3700.4	8387.15	31035809.86
11	4.20.2	All works above plinth and upto floor V level				
12	4.20.2.3	Concrete of M20 grade with minimum cement content of 270 kg /cum	cum	7502.98	10009.5	75101078.31
SUB TOTAL						
115868187.6						
FORM WORK						
12	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
13	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	12320.12	307.95	3793980.954
14	5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	161964.4	766.55	124153841.5
16	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	25137	657.75	16533861.75
17	5.9.7	Stairs, (excluding landings) except spiral-staircases	sqm	5260.67	657.75	3460205.693
SUB TOTAL						
147941889.9						
STEEL REINFORCEMENT						
18	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level				
19	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more	kg	1248543	89.65	111931859.3
SUB TOTAL						
111931859.3						

Proprietor
Mrs SAID NADEEM

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244 Date: 11/11/22
Near by IDBI Bank, Dehradun (U.K.)
Tapovan Road Infront of PRD Ground
Mob.: 7895872139, 9412143346

19 TOWER A TO H & J TO T BILL OF QUANTITY PMAY EWS KANAKPUR (UDHAM SINGH NAGAR) (UTTARAKHAND)

S.NO.	DSR - 21	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
A.C.C BLOCK WORK						
20	6.38	Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.	cum	6035.16	8890.8	53657400.53
SUB TOTAL						
53657400.53						
CLADDING WORK						
21	8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	sqm	742.9	417.6	310235.04
22	8.9	Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete				
SUB TOTAL						
310235.04						
S.NO.	DSR - 21	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
23	9.18	Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board 15 : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade 15 : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately)				
24	9.18.2	25 mm thick	sqm	10852.8	1501	16290052.8
25	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
26	10.25.2	n gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	KG	297920	142.3	42394016
27	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.				
	10.26.1	M.S. tube		12828.8	157.15	2016045.92
28	9.12	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	SQM	2954.88	148.5	438799.68
SUB TOTAL						
61138914.4						
FLOORING WORK						
29	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	SQM	41116	935.6	38468129.6
SUB TOTAL						
38468129.6						

M/s SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079
Date: 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Date: 19/11/22
Case No. 0039
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

Proprietor
MRS SAUD NADEEM

S.NO.	DSR - 21	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
30	13.1	12 mm cement plaster of mix :				
31	13.1.2	1:6 (1 cement: 6 fine sand)	sqm	252720.1	294.85	74514506.74
32	13.8	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	252720	123.85	31299372
33	13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
34	13.48.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr/10 sqm	sqm	252720	158.95	40169844
33	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
34	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	25810.76	162.35	4190376.886
35	13.83	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacturer, including applying additional coats wherever required to achieve even shade and colour				
36	13.83.2	Two coats	sqm	222420.3	121.55	27035191.11
SUB TOTAL						
PLUMBING AND SANITARY INSTALLATIONS						
37	17.3	Plumbing and sanitary installation of 1216 EWS per floor 16 unit G+3 (64 Unit) total 19 tower				24738224.96
	17.3.1	Internal Electrical work of 1216 EWS per floor 16 unit G+3 (64 Unit) total 19 tower				2349546.47
WATER PROOFING						
	22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:				
	(a)	after surface preparation, first layer of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm.				
	(b)	laying second layer of fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm.				
	(c)	third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around				
	(d)	fourth and final layer of brick tiling with cement mortar (which will be paid for separately.				
		For the purpose of measurement the entire treated surface will be measured.				
				3062.27	15	585.55
						1793112.199
GRAND TOTAL OF 19 TOWER A TO H , J TO T						
						739255025.6

19 TOWER A TO H & J TO T BILL OF QUANTITY PMAY EWS KANAKPUR (UDHAM SINGH NAGAR) (UTTARAKHAND)

19 TOWER A TO H & J TO T DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 16 UNIT G+3 (64 UNIT)

sno	DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount	
1	2.6	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. 2.6.1 All kinds of soil	(F1)	2.02	2.02	2	8.16	6	48.96				
				(F2)	2.16	2.16	2	9.331	24	223.94				
				(F3)	2.4	2.4	2	11.52	4	46.08				
				(CF1)	4.03	2	2	16.12	4	64.48				
				(CF2)	6.65	2	2	26.6	14	372.40				
				(CF3)	4.03	2	2	16.12	4	64.48				
										372.40				
										32.24	2			
										788.10				
				SUB TOTAL										118.21
													191934.89	

[Signature]
PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 2019 Date: 4/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

[Signature]
M/s SAJID NADEEM
 Proprietor

19 TOWER A TO H & J TO T DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 16 UNIT G+3 (64 UNIT)

sno	DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
2		4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:										
		4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)										
			Foundation (F1) P.C.C		2.02	2.02	0.075	0.306	6	1.836			
			Foundation (F2) P.C.C		2.16	2.16	0.075	0.3449	24	8.398			
			Foundation (F3) P.C.C		2.4	2.4	0.075	0.432	4	1.728			
			Foundation (CF1) P.C.C		4.03	2	0.075	0.6	4	2.418			
			Foundation (CF2) P.C.C		6.65	2	0.075	0.997	14	13.965			
			Foundation (CF3) P.C.C		4.03	2	0.075	0.6	2	1.2			
			Sub Total							29.545	cum	6326.05	186903.147
			Plinth beam (PB1) P.C.C		164.1	0.3	0.075			3.692			
			Plinth beam (PB2) P.C.C		238.2	0.3	0.075			5.359			
			Plinth beam (PB3) P.C.C		164.1	0.3	0.075			3.692			
			Ground floor pcc		48.42	10.65	0.075			38.675	cum	6326.05	80612.85
			SUB TOTAL										512175.977

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0079 Date 19/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

Proprietor

M/s SAJID MADEM

19 TOWER A TO H & J TO T DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 16 UNIT G+3 (64 UNIT)

sno	DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
3	4.20.1	4.20.1	4.20.1 All works upto plinth level :										
		4.20.1.3	Concrete of M20 grade with minimum cement content of 270 kg/cum										
			Foundation (F1) R.C.C		2.02	2.02	0.3	1.22	6	7.34			
			Foundation (F2) R.C.C		2.16	2.16	0.4	1.86	24	44.78			
			Foundation (F3) R.C.C		2.4	2.4	0.4	2.3	4	9.216			
			Foundation (CF1) R.C.C		4.03	2	0.3	2.418	4	9.672			
			Foundation (CF2) R.C.C		6.65	2	0.3	3.99	14	55.86			
			Foundation (CF3) R.C.C		4.03	2	0.4	3.224	2	6.448			
			Plinth beam (PB1) R.C.C		164.1	0.23	0.4			133.316	cum	8387.15	1118141.29
			Plinth beam (PB2) R.C.C		238.18	0.3	0.3			15.09			
			Plinth beam (PB3) R.C.C		164.1	0.23	0.3			11.32			
										42.84	cum	8387.15	359305.5
			Column (C1) R.C.C upto plinth beam level		0.3	0.3	2	0.2385	50	11.925			
			Column (C2) R.C.C upto plinth beam level		0.3	0.3	2	0.2385	28	6.678			
		4.20.2	All works above plinth and upto floor V level							18.603	cum	8387.15	156026.15
		4.20.2.3	Concrete of M20 grade with minimum cement content of 270 kg/cum										
			Column (C1) R.C.C upto terrace level		0.3	0.3	11.95	1.0755	50	53.775			
			Column (C2) R.C.C upto terrace level		0.3	0.3	11.95	1.0755	28	30.114			
										83.889	cum	10009.5	839686.94
			Column (C1) R.C.C terrace to mummy		0.3	0.3	2.4		6	1.296	cum	10009.5	12611.97
			(B1)		36	0.23	0.4			3.312			
			(B2)		126	0.23	0.3			8.694			
			(B3)		92	0.23	0.3			6.348			
			(B4)		26	0.23	0.4			2.392			
			(S81)		21.63	0.23	0.56			2.785			
			(S82)		92	0.23	0.3			6.348			
			(S83)		21.63	0.23	0.3			1.492			
			G.F		48.42	10.65	0.125			64.459			
			F.F		48.42	10.65	0.125			64.459			
			S.F		48.42	10.65	0.125			64.459			
			T.F		48.42	10.65	0.125			64.459			
			Staircase landing		2.06	1.25	0.125		4	1.287			
			20 Steps(0.5*20*1*0.15*0.145)		1	0.15	0.145		4	0.435			
			projection 4 floor		1.7	0.45	0.125	0.0956	16	6.12			
			projection 4 floor		0.65	0.45	0.125	0.365	16	2.34			
			projection 4 floor		0.65	0.45	0.125	0.365	16	2.34			
			projection 4 floor		1.65	0.45	0.125	0.0928	2	0.3712			
			Kitchen Counter 4 floor		2.07	0.6	0.075	1.4904	16	5.9616			
			Mummy slab		5.91	2.23	0.125			1.6474			
										309.7092	cum	10009.5	3100034.23
			SUB TOTAL										5585806.08

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 8079 Date 14/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob: 7895872139, 9412143346

Mrs SAJID NADEEM
 Proprietor

PAL ARCHITECT AND ENGINEER

COA No. CA/2018/96244 Case No. 0079 Date 14/11/22

Tapovan Road Infront of PRD Ground

Received by IDBI Bank, Dehradun (U.K.)

Mob.: 7895872139, 9412143346

Proprietor

M/S SAJID NADEEM

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19 TOWER A TO H & J TO I DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 16 UNIT G+3 (64 UNIT)

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 1039 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

M/S SAJID NADEEM
Proprietor

sno	DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
5	5.22	including straightening, cutting, bending, placing in position and binding all complete upto plinth level	Steel reinforcement for R.C.C. work										
5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more												
	Foundation (F1) steel	12 mm	44.44	39.107	6								
	Foundation (F2) steel	12 mm	49.68	43.718	24								
	Foundation (F3) steel	12 mm	69.9	61.512	4								
	Foundation (CF1) steel	08 mm	32.24	12.73	4								
	Foundation (CF2) steel	20 mm	65.2	160.98	14								
	Foundation (CF3) steel	16 mm	118	186.44	2								
	Column (C1) steel upto plinth beam level	16 mm	10	15.8	50								
	Column (C2) steel upto plinth beam level	16 mm	15	23.7	28								
	Column (C1) steel upto Terrace level	16 mm	48	75.84	50								
	Column (C2) steel upto Terrace level	16 mm	72	113.76	28								
	Column (C1) steel upto Terrace to munity level	16 mm											
	Plinth beam (PB1) steel	12 mm	164.1	144.4	7								
	Plinth beam (PB2) steel	12 mm	238.18	209.59	6								
	Plinth beam (PB3) steel	12 mm	164.1	144.4	7								
	Slab steel (B1)	16 mm	131.12	206.98	7								
	Slab steel (SB1)	16 mm	69.44	109.71	4								
	Slab steel (SB2)	16 mm	32	50.56	2								
	Slab steel (SB2)	12 mm	124.5	109.56	6								
	Slab steel (SB2)	10 mm	6.32	3.855	347								
	Slab steel (SB2)	12 mm	62.25	54.78	3								
	Slab steel (SB2)	12 mm	4.24	2.586	622								
	Slab	10 mm	2614.68	1594.95	4								
	Staircase	12 mm	260	228.8	25								
	Projection	10 mm	258	157.38	4								

19 TOWER A TO H & J TO T DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 16 UNIT G+3 (64 UNIT)

Proprietor
M/S SAJID NADEEM

[illegible]

Case No. Date:

COA No. CA/2018/96244

PAL ARCHITECT AND ENGINEER

Near by IDBI Bank, Dehradun (U.K.)

Tapovan Road Infront of PRD Ground

Mob: 7895872139, 9412143346

Proprietor

M/S SAJID NADEEM

sno	DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount	
7	9.18	9.18.2	Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board 15 : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade 15 : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately)											

19 TOWER A TO H & J TO T DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 16 UNIT G+3 (64 UNIT)

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 8039 Date 19/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob: 7895872139, 9412143346

M/S SAJID NADEEM
 Proprietor

sno	DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
8	13.1	13.1.2	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	wall	2.8			2.95	16	132.16			
				wall	4.1			2.95	16	193.52			
				wall	2.8			2.95	16	132.16			
				wall	1.3			2.95	16	61.36			
				wall	0.6			2.95	16	28.32			
				wall	1			2.95	16	47.2			
				wall	0.35			2.95	16	16.52			
				wall	2.2			2.95	16	103.84			
				wall	3			2.95	16	141.6			
				wall	1.4			2.95	16	66.08			
				wall	1.4			2.95	16	66.08			
				wall	1.2			2.95	16	56.64			
			G.F, F.F, S.F, T.F ceiling		48.42			10.65	4	2062.69			
								3108.17	4	12432.68			
			INNER WALL	D1	1			2.1	2	4.2			
				D2	0.75			2.1	2	3.15			
				DW1	0.75			2.1	1	1.575			
				DW1	0.6			1.2	1	0.72			
				W1	1.5			0.9	1	1.35			
				VI	0.45			0.4	2	0.36			
			(Door & window) Deduction no of unit 16 x 4 floor					11.355	64	726.4			
			INNER WALL					11.355		11.355	SQM		
			DEDUCTION							726.4			
			TOTAL							11706.3	SQM	294.85	3451602.56
			OUTER WALL		4.361			2.95	16	205.8392			
					2.8			2.95	16	132.16			
			CORRIDOR		10.65			2.95	2	62.835			
								31.4175	2	62.835			
			G+3 FLOOR					400.815	4	1603.26			
			DEDUCTION	W1	1.5			0.9	16	21.6			
				DW1	0.75			2.1	16	25.2			
				DW1	0.6			1.2	16	11.52			
				VI	0.45			0.4	16	2.88			
			G+3 FLOOR					61.2	4	244.8			
			WALL							1603.26			
			DEDUCTION							244.8			
			TOTAL							1358.46	SQM	294.85	400541.931
			PARAPET WALL		48.42				4	193.68			
					10.65			1	4	42.6			
			Sub total							236.28	SQM	294.85	69667.158
													3921811.64

19 TOWER A TO H & J TO T DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 16 UNIT G+3 (64 UNIT)

19 TOWER A TO H & J TO T DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 16 UNIT G+3 (64 UNIT)

sno	DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
9	11.37		Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3:3 kg/sqm including pointing the joints with white cement and matching pigment etc.,	floor	3.27	3.002	9.8165	16	157.064				
			Living Room	skirting	12.54	0.1		1.254	16	20.064			
			Kitchen	floor	2.101	1.2		2.521	16	40.336			
				skirting	6.602	0.1		0.6602	16	10.5632			
			toilet	floor	0.9	1.2		1.08	16	17.28			
				wall	0.9		1.52	1.368	16	21.88			
				wall	1.2		1.52	1.824	16	29.18			
			Bed room	floor	2.465	3.155		7.77	16	124.32			
				skirting	11.2	0.1		1.12	16	17.92			
			Entrance	floor	1.335	1.335		1.7822	16	28.515			
				skirting	5.34	0.1		0.534	16	8.544			
			Corridor	floor	48.42	1.25				60.525			
				skirting	48.42	0.1				4.842			
			G+3 floor					541.033	4	2164.012	sqm	935.6	2024649.63
										541.0332			
			8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.									
					0.3	1.5		0.45	20	7.2			
					2.06	1.25		2.575	1	2.575			
			G+3 Floor					9.775	4	39.1	sqm	417.6	16328.16
			Sub total										2040977.79

Pal

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0079 Date: 11/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

Mrs SAUD NADEEM
 Proprietor

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 6079 Date: 19/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob: 7895872139, 9412143346

Ms SAID NADEEM
 Proprietor

sno	DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
10	13.8		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	wall	2.8			2.95	16	132.16			
				wall	4.1			2.95	16	193.52			
				wall	2.8			2.95	16	132.16			
				wall	1.3			2.95	16	61.36			
				wall	0.6			2.95	16	28.32			
				wall	1			2.95	16	47.2			
				wall	0.35			2.95	16	16.52			
				wall	2.2			2.95	16	103.84			
				wall	3			2.95	16	141.6			
				wall	1.4			2.95	16	66.08			
				wall	1.4			2.95	16	66.08			
				wall	1.2			2.95	16	56.64			
				G.F, F.F, S.F, T.F ceiling	48.42			10.65	4	2062.69			
				INNER WALL	1			3108.17	4	12432.68			
				D1	1			2.1	2	4.2			
				D2	0.75			1.575	2	3.15			
				DW1	0.75			1.575	1	1.575			
				DW1	0.6			1.2	1	1.35			
				W1	1.5			0.9	1	1.35			
				V1	0.45			0.4	2	0.36			
				(Door & window) Deduction Per floor unit				11.355	64	726.4	SQM		
				INNER WALL				12432.7		726.4			
				DEDUCTION						726.4			
				TOTAL						11706.3	SQM	123.85	1449825.26
				OUTER WALL	4.361			2.95	16	205.8392			
					2.8			2.95	16	132.16			
				CORRIDOOR	10.65			2.95	2	62.835			
				G+3 FLOOR				400.815	4	1603.26			
				DEDUCTION	1.5			0.9	16	21.6			
				DW1	0.75			1.575	16	25.2			
				DW1	0.6			1.2	16	11.52			
				V1	0.45			0.4	16	2.88			
				G+3 FLOOR				61.2	4	244.8			
				WALL						1603.26			
				DEDUCTION						244.8			
				TOTAL						1358.46	SQM	123.85	168245.271
				PARAPET WALL	48.42			1	4	193.68			
					10.65			1	4	42.6			
										236.28	SQM	123.85	29263.278

19 TOWER A TO H & J TO T DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 16 UNIT G+3 (64 UNIT)

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079 Date: 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Proprietor

M/S SAUD NADDEM

[illegible]

sno	DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
11	22.6		Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:										
	(a)		after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm.										
	(b)		laying second layer of fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm.										
	(c)		third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around										
	(d)		fourth and final layer of brick tiling with cement mortar (which will be paid for separately;										
			For the purpose of measurement the entire treated surface will be measured.	G+3 Floor	1.915	1.315		2.518	16	40.29	sqm		
			Sub total					40.29	4	161.166	sqm	585.55	94370.7513

M/S SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 8079 Date 19/11/22
Near by IDBI Bank, Dehradun (U.K.)
Tapovan Road Infront of PRD Ground
Mob.: 7895872139, 9412143346

Proprietor
Mrs SAJID NADEAU

DETAILED ESTIMATE OF INTERNAL PLUMBING WORK 16 UNIT PER FLOOR					
G+3 64 UNITS					
S. No.	DSR 2021	DESCRIPTION OF WORK	UNIT	Qty	Rate (Rs)
Sanitary Fixtures					
1	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device(handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :			
a)	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	Each	64	5781.35
					370006.4
	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :			
	17.10.2	Kitchen sink without drain board	Each	64	3337.85
					213622.4
		Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.			
	17.28.2	Flexible pipe			
	17.28.2.1	32 mm dia	Each	64	104.35
					1669.6
	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.			
a)	18.51.1	15 mm nominal bore	Each	192	594.75
					114192
WATER SUPPLY SYSTEM					
	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. : Internal work - Exposed on wall			
b)	18.7.2	20 mm nominal outer dia. Pipes.	metre	400	325.10
					130040
c)	18.7.3	25 mm nominal outer dia. Pipes.	metre	112	408.55
					45757.6
d)	18.7.4	32 mm nominal outer dia. Pipes.	metre	192	500.95
					96182.4
e)	18.7.5	40 mm nominal outer dia. Pipes.	metre	48	674.35
					32368.8

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Ms SAJID NADDEM
Proprietor

G+3 (64 unit)					
S. No.	DSR 2021	DESCRIPTION OF WORK	UNIT	Qty	Rate (Rs)
					Amount (Rs)
a)	18.8.1	15 mm nominal outer dia .Pipes.	Metre	96	441.15
	18.8.2	20 mm nominal outer dia Pipes	metre	128	712.75
	18.8.3	25 mm nominal outer dia Pipes	metre	16	626.05
	18.17.3	40 mm dia nominal bore	Each	32	707.30
	18.17.5	65 mm dia nominal bore	Each	12	1490.70
	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :			
	18.18.2	20 mm nominal bore	Each	64	397.45
	18.18.3	25 mm nominal bore	Each	4	399.15
	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :			
	a)	18.21.1	30 cm length		
(i)	18.21.1.1	15 mm nominal bore	Each	64	74.80
	18.33	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :			
	18.33.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	No.	4	10102.50
	18.58	Providing and fixing PTMT grating of approved quality and colour.			
	18.58.1	Circular type.			
	(ii)	18.58.1.2	125 mm nominal dia with 25 mm waste hole.	No.	128
					45.25
					5795.84

G+3 (64 unit)						
DETAILED ESTIMATE OF INTERNAL PLUMBING WORK 16 UNIT PER FLOOR						
S.No.	DSR 2021	DESCRIPTION OF WORK		UNIT	Qty	Rate (Rs)
						Amount (Rs)
12.43	12.43.2	Providing and fixing un plasticised -PVC pipe clips of approved design to un plasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.	Each	128	309.5	39616
		110 mm				
Total cost for single (G+3) tower						
						1302011.84

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0079 Date 14/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

M/s SAJID NADEEM
 Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 6039 Date 14/11/22
Near by IDBI Bank, Dehradun (U.K.)
Tapovan Road Infront of PRD Ground
Mob.: 7895872139, 9412143346

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M/S SAJID NADEEM
Proprietor

S.NO	DSR-2022	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	1.8	Wiring for light point / fanpoint/exhaust fan point with 1.5 sq.mm FRLS PVC insulated copper conductor single core in surface / recessed medium class pvc conduit, with piano type switch, phenolic laminated sheet, suitable size M.S box and earthing the point with 1.5 sq.mm FRLS PVC				
	1.8.1	Group A point	NOS.	436	1221	532356
1.2		Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class copper conductor single core cable etc. as required.	Point	40	1835	73400
	1.3	Wiring of circuit / sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required				
	1.7.2	2 x 1.5 sq. mm + 1 x 1.5 sq. mm earth wire	Meter	1920	327	627840
	1.7.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	Meter	960	428	410880
	1.7.4	2 x 6 sq. mm + 1 x 6 sq. mm earth wire	Meter	480	589	282720
	1.27	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.				
	1.27.1	1 or 2 Module (75 mmX75 mm)	Each	64	298	19072
	1.27.2	3 Module (100 mmX75 mm)	Each	256	327	83712
	1.23	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
	1.23.1	5/6 amps switch	Each	64	103	6592
		15/16 amp switch	Each	64	156	9984
		3 pin 5/6 amp socket outlet	Each	64	122	7808
		6 pin 15/16 amp socket outlet	Each	64	148	9472
		TV antenna socket outlet	Each	64	140	8960
		Bell Push	Each	64	140	8960
	1.38	Supplying and fixing call bell / buzzer suitable for single phase, 230 volts, complete as required.	Each	64	99	6336
	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	64	369	23616
	1.32	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	192	131	25152
		Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
	1.21.2	25 mm	Meter	384	145	55680
		Distribution board				
2	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface / recess complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc as required (But without MCB/RCCBO/Isolator)				
	2.3.1	6 way double door	Each	64	2206	14184
	2.1	Supplying and fixing 5amps to 32 amps rating 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.10.1	single pole	Each	192	256	49152
	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB) having sensitivity up to 30 milli ampere in the existing MCB DB complete with connections, testing commissioning etc. as required				
	2.14.2	40 amps	Each	64	2642	169088
	9.1	Supplying and making of end terminations with brass compression gland and AL/PVC lugs for following size PVC insulated and PVC sheathed /XLPE Al insulated / Unarmored conductor cable of 1.1 kV grade as required				
	9.1.23	3.5C x 70 sq. mm (Al, Armored Cable)	Each	8	468	3744
	5.4	Earthing with GI earth plate 600 mm X 600 mm X 6 mm thick including 27 meter long etc. with charcoal/ coke and salt as required.	Each	8	7472	59776
	5.7	Supplying and laying 6 SWG GI wire at 0.50 Meter below ground level for conductor earth electrode including connections / termination with GI thimble etc. as required.	meter	36	51	1836
	5.15	Providing and fixing 25 mm X 5 mm GI strip on surface or in recess for connections etc. as required.	meter	36	1162	41832
		Providing and fixing GI tube having single prong at top, with 85mm dia 6mm thick GI base plate including holes etc. complete as required.	Each	4	518	2072
		Providing and fixing GI tape 20mm x 3mm thick on parapet or surface of wall for lightning conductor complete as required.(for horizontal run)	meter	400	126	50400
		Sub Total				2588272

DETAILED ESTIMATED FOR INTERNAL ELECTRICAL PER FLOOR 16 UNIT G+3 (64 UNIT)

TOWER U BILL OF QUANTITY PMAY EWS KANAKPUR (UDHAM SINGH NAGAR) (UTTARAKHAND)

EARTH WORK					
1	2.28.1	All kinds of soil			
2	2.32	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.			
3	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.			
4	2.6.1	All kinds of soil	cum	507.77	205.45
5	2.36	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	cum	76.156	76.7
SUB TOTAL					110162.5117
CONCRETE WORK					
6	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :			
7	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from nominal size derived from natural sources)	cum	51.119	6326.05
8	4.20.1	4.20.1 All works upto plinth level :			
9	4.20.1.3	Concrete of M20 grade with minimum cement content of 270 kg/cum	cum	115.207	8387.15
10	4.20.2	All works above plinth and upto floor V level			
11	4.20.2.3	Concrete of M20 grade with minimum cement content of 270 kg/cum	cum	252.574	10009.5
SUB TOTAL					3817779.193
FORM WORK					
12	5.9	Centering and shuttering including strutting, propping etc. and removal of form for			
13	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	431.64	307.95
14	5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	5511.96	766.55
15	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	854.28	657.75
16	5.9.7	Stairs, (excluding landings) except spiral-staircases	sqm	190.27	657.75
SUB TOTAL					5045169.239
STEEL REINFORCEMENT					
17	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level			
18	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more	kg	38704.68	89.65
SUB TOTAL					3469874.562
A.C.C BLOCK WORK					
19	6.38	Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.	cum	205.99	8890.8
SUB TOTAL					1831415.892

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0019 Date 19/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

M/S SAJID NADEEM
 Proprietor

CLADDING WORK

20	8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	sqm	39.1	417.6	16328.16	16328.16
SUB TOTAL							
WOOD AND P.V.C WORK							
21	9.18	Providing and fixing Pre-laminated flat pressed 3 layer board 15 : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade 15 : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately)					
22	9.18.2	25 mm thick	sqm	357	1501	535857	
23	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					
24	10.25.2	n gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	KG	9800	142.3	1394540	
25	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.					
26	10.26.1	M.S. tube		422	157.15	66317.3	
27	9.12	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	SQM	97.2	148.5	14434.2	
SUB TOTAL							
2011148.5							
29	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	SQM	1334.23	935.6	1248305.588	1248305.588
SUB TOTAL							
1248305.588							

M/S SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0049
Date: 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Ms SAJID NADEEM
Proprietor

S.NO.	DSR - 21	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
30	13.1	12 mm cement plaster of mix :				
31	13.1.2	1:6 (1 cement: 6 fine sand)	sqm	7227.39	294.85	2130995.942
32	13.8	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	7227.39	123.85	895112.2515
33	13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
34	13.48.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	sqm	7227.39	158.95	1148793.641
35	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
36	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	774.31	162.35	125709.2285
37	13.83	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacturer, including applying additional coats wherever required to achieve even shade and colour				
38	13.83.2	Two coats	sqm	6285.2	121.55	763966.06
SUB TOTAL						
PLUMBING AND SANITARY INSTALLATIONS						
39		Plumbing and sanitary installation of 40 EWS per floor 10 unit G+3 Tower U				853137.6
ELECTRICAL WORK						
40		Internal Electrical work of 40 EWS per floor 10 unit G+3 Tower U				1666249
WATER PROOFING						
22.6		Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:				
(a)		after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm.				
(b)		laying second layer of fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm.				
(c)		third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around				
(d)		fourth and final layer of brick tiling with cement mortar (which will be paid for separately.				
		For the purpose of measurement the entire treated surface will be measured.	100.62	4	585.55	58918.041
Grand total amount for Tower U						
25193065.41						

TOWER U DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 10 UNIT G+3 (40 UNIT)

sno	DSR - 21	CODE	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
1	2.6	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge. 2.6.1 All kinds of soil	(F1)	2.02	2.02	2	8.1608	6	48.966			
				(F2)	2.16	2.16	2	9.33	16	149.28			
				(CF1)	4.03	2	2	16.12	4	64.48			
				(CF2)	6.65	2	2	26.6	8	212.8			
				(CF3)	4.03	2	2	16.12	2	32.24			
2.6.1 All kinds of soil													
SUB TOTAL										CUM	253.95	19339.8162	
												123660.3409	

PAL-ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0037 Date: 19/11/22
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 Mob.: 7895872139, 9412143346

Mrs SAJID NADEEM
 Proprietor

TOWER U DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 10 UNIT G+3 (40 UNIT)

sno	DSR - 21	CODE	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
2	4.1		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level										
	4.1.8		1:4:8 (1 Cement : 4 coarse sand (zone- III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)										
			(F1) Foundation P.C.C		2.02	2.02	0.075	0.306	6	1.836			
			(F2) Foundation P.C.C		2.16	2.16	0.075	0.3499	16	5.5984			
			(CF1) Foundation P.C.C		4.03	2	0.075	0.6045	4	2.418			
			(CF2) Foundation P.C.C		6.65	2	0.075	0.9975	8	7.98			
			(CF3) Foundation P.C.C		4.03	2	0.075	0.3022	2	0.6044			
			Sub Total							18.4368	cum	6326.05	186903.147
			Plinth beam (PB1) P.C.C		98	0.3	0.075			2.205			
			Plinth beam (PB2) P.C.C		145	0.3	0.075			3.262			
			Plinth beam (PB3) P.C.C		98	0.3	0.075			2.205			
			Ground floor pcc		31.32	10.65	0.075			7.672	cum	6326.05	80612.85
			SUB TOTAL							25.01	cum	6326.05	158214.5105
													425730.5075

06/11/22

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0039 Date 11/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Mrs SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

M/S SAJID NADEEM
Proprietor

sno	DSR - 21	4.20.1	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
3		4.20.1	4.20.1 All works upto plinth level :										
		4.20.1.3	Concrete of M20 grade with minimum cement content of 270 kg /cum										
			Foundation (F1) R.C.C		2.02	2.02	0.3	1.22	6	7.32			
			Foundation (F2) R.C.C		2.16	2.16	0.4	1.86	16	29.76			
			Foundation (CF1) R.C.C		4.03	2	0.3	2.418	4	4.836			
			Foundation (CF2) R.C.C		6.65	2	0.3	3.99	8	31.92			
			Foundation (CF3) R.C.C		4.03	2	0.4	3.224	2	6.448			
			Plinth beam (PB1) R.C.C		98	0.23	0.4			80.284	cum	8387.15	673353.9506
			Plinth beam (PB2) R.C.C		145	0.3	0.3			7.5486			
			Plinth beam (PB3) R.C.C		98	0.23	0.3			5.661			
			Column (C1) R.C.C upto plinth beam level		0.3	0.3	2	0.2385	34	8.126			
			Column (C2) R.C.C upto plinth beam level		0.3	0.3	2	0.2385	12	2.868			
			All works above plinth and upto floor V level							10.994	cum	8387.15	92208.3271
	4.20.2		Concrete of M20 grade with minimum cement content of 270 kg /cum										
			Column (C1) R.C.C upto terrace level		0.3	0.3	11.95	1.0755	34	36.58			
			Column (C2) R.C.C upto terrace level		0.3	0.3	11.95	1.0755	16	17.208			
			Column (C1) R.C.C terrace to mummy		0.3	0.3	2.4		6	1.296	cum	10009.5	538390.986
			(B1)		26	0.23	0.4			2.392			
			(B2)		78	0.23	0.3			5.382			
			(B3)		59	0.23	0.3			4.071			
			(B4)		25	0.23	0.4			2.3			
			(SB1)		18.58	0.23	0.56			2.393			
			(SB2)		59	0.23	0.3			4.071			
			(SB3)		18.58	0.23	0.3			1.282			
			G.F		31.32	10.65	0.125			41.69			
			F.F		31.2	10.65	0.125			41.69			
			S.F		31.2	10.65	0.125			41.69			
			T.F		31.2	10.65	0.125			41.69			
			Staircase landing		1.03	1.25	0.125		4	0.643			
			20 Steps(0.5*20*1*0.15*0.145)		0.5	0.15	0.145		4	0.218			
			projection 4 floor		0.85	0.45	0.125		10	1.9125			
			projection 4 floor		0.325	0.45	0.125		10	0.731			
			projection 4 floor		0.325	0.45	0.125		10	0.731			
			projection 4 floor		0.852	0.45	0.125		2	1.917			
			Kitchen Counter 4 floor		1.035	0.6	0.075		10	1.863			
			Mummy slab		2.955	2.23	0.125			0.824			
			SUB TOTAL							197.4905	cum	10009.5	3494039.151

TOWER U DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 10 UNIT G+3 (40 UNIT)

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079 Date 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Proprietor
M/s SAUD NADHEEM

sno	DSR - ZI CODE	Description of work Centering and shuttering including strutting, propping etc. and removal of form for	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
4	5.9	Foundations, footings, bases of columns, etc. for mass concrete										
	5.9.1	(F1)	2-Side	2.02	0.45	1.818	6	10.908				
		(F2)	2-Side	2.16	0.45	1.818	6	10.908				
		(CF1)	2-Side	4.03	0.45	3.627	4	14.508				
		(CF2)	2-Side	6.65	0.45	5.427	8	43.416				
		(CF3)	2-Side	4.03	0.45	3.627	2	7.254				
				2	0.45	3.627	2	7.254				
		Plinth beam (PB1)	2 side	98	0.4	39.2	2	78.4	187.844	sqm	307.95	57846.5598
		Plinth beam (PB2)		145	0.3	43.5	2	87				
		Plinth beam (PB3)		98	0.3	39.2	2	78.4				
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts										
		C1 upto plinth beam level	4 side	0.3	2	2.4	34	81.6				
		C2 upto plinth beam level	4 side	0.3	2	2.4	16	38.4				
		C1 G+3 upto terrace level	4 side	0.3	11.95	14.34	34	487.56	120	sqm	804.25	96510
		C2 G+3 upto terrace level	4 side	0.3	11.95	14.34	16	229.44				
		C1 upto terrace TO Mummy level	4 side	0.3	2.4	2.88	6	17.28	717	sqm	804.25	576647.25
	5.9.3	Suspended floors, roofs, landings, balconies and access platform										
		(B1)		26	0.4	10.4	2	20.8				
		(B2)		78	0.3	23.4	2	46.8				
		(B3)		59	0.3	17.7	2	35.4				
		(B4)		25	0.4	10	2	20				
		(SB1)		18.58	0.56	10.4048	2	20.8096				
		(SB2)		59	0.3	17.7	2	35.4				
		(SB3)		18.58	0.3	5.574	2	11.148				
		G.F		31.32	10.65	333.558	4	1334.232	190.3576	sqm	766.55	145918.6183
		F.F		31.2	10.65	332.28	4	1329.12				
		S.F		31.2	10.65	332.28	4	1329.12				
		T.F		31.2	10.65	332.28	4	1329.12				
	5.9.7	Stairs, (excluding landings) except spiral-staircases							5321.592	sqm	766.55	4079266.348
		Staircase landing		2.06	1.25	2.575	4	10.3				
		projection		1.7	0.45	0.765	40	30.6				
		projection		1.25	0.45	0.765	4	3.06				
		projection		8	10							
		projection		0.65	0.2925	0.765	40	30.6				
		projection		0.65	0.2925	0.765	40	30.6				
		Kitchen Counter		1.65	0.7425	0.7425	40	29.7				
		Mummy slab		5.91	2.23	13.17	1	6.585				
	SUB TOTAL								190.265	sqm	657.75	125146.8038
									5170311.229			

TOWER U DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 10 UNIT G+3 (40 UNIT)

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0079 Date: 14/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

M/s SAJID NADEEM
 Proprietor

sno	DSR - 21	CODE	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
5	5.22		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level										
5.22.6			Thermo-Mechanically Treated bars of grade Fe-500D or more										
			Foundation (F1) steel	12 mm	44.44			39.107	6	234.642			
			Foundation (F2) steel	12 mm	49.68			43.718	16	699.488			
			Foundation (CF1) steel	08 mm	32.24			12.73	4	50.92			
			Foundation (CF2) steel	12 mm	48.24			42.45	4	169.8			
			Foundation (CF3) steel	16 mm	65.2			160.98	8	1287.84			
				16 mm	75			118.5	8	948			
				16 mm	118			186.44	2	372.88			
			Column (C1) steel upto plinth beam level	16 mm	10			15.8	34	537.2	kg	89.65	337404.0505
				12 mm	5			4.4	34	149.6			
				10 mm	16			9.76	34	331.84			
			Column (C2) steel upto plinth beam level	16 mm	15			23.7	16	379.2			
				10 mm	5			4.4	34	149.6			
				10 mm	16			9.76	34	331.84			
			Column (C1) steel upto Terrace level G+3	16 mm	48			75.84	34	2578.56			
				12 mm	24			22	34	748			
				10 mm	72			44	34	1496			
			Column (C2) steel upto Terrace level G+3	16 mm	72			113.76	16	1820.16			
				10 mm	72			44	16	704			
			Column (C1) steel upto Terrace to muntly level	16 mm				22.75	6	136.512			
				12 mm	4.224			25.344	6				
				10 mm	5.688			34.128	6				
			Plinth beam (PB1) steel	12 mm	95			107.95	7	755.65	kg	89.65	17569.9656
				10 mm	0.63			0.3843	850	326.655			
			Plinth beam (PB2) steel	12 mm	132			116.16	6	696.96			
				10 mm	0.6			0.366	805	294.63			
			Plinth beam (PB3) steel	12 mm	95			107.95	7	755.65	kg	89.65	282953.33
				10 mm	0.63			0.3843	850	326.655			
			Slab steel (B1)	16 mm	78.68			124.31	7	870.17	kg	89.65	282953.33
				12 mm	48			75.84	3	227.52			
				10 mm	2.12			1.2932	698	902.6536			
			Slab steel (B2)	12 mm	79.68			70.11	6	420.66			
				12 mm	42.5			37.4	3	112.2			
				10 mm	2.12			1.293	662	855.966			
			Slab steel (B3)	12 mm	62.25			54.78	6	328.68			
				12 mm	31.13			27.39	3	82.17			
				10 mm	2.12			1.293	622	804.246			
			Slab steel (SB1)	16 mm	34.72			54.855	4	219.42			
				16 mm	16			25.28	2	50.56			
				10 mm	3.16			1.9275	347	668.8425			
			Slab steel (SB2)	12 mm	79.25			69.74	6	418.44			
				12 mm	45.36			39.91	3	119.73			
				10 mm	2.12			1.293	655	846.915			
			Slab steel (SB2)	12 mm	62			54.56	6	327.36			
				10 mm	2.4			1.464	655	958.92			
			Slab	10 mm	1680			1024.8	4	4099.2			
				10 mm	1468			895.48	4	3581.92			
				10 mm	769			469.09	4	1876.36			
				10 mm	749			456.89	4	1827.56			
			Staircase	12 mm	130			114.4	25	2860			
			projection	10 mm	129			78.69	4	314.76	kg	89.65	2041711.79
			SUB TOTAL							22774.25			3469900.301

TOWER U DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 10 UNIT G+3 (40 UNIT)

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Proprietor
Ms SAJID NADHEEM

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0037
Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

Ms SAJID NADEEM
Proprietor

sno	DSR - 21	CODE	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
7	9.18	25 mm thick	Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board 15 : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade 15 : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately)	D1	10	1	2.1	2	4.2				
				D2	10	0.75	2.1	2	3.15				
				DW1	10	0.75	2.1	1	1.575				
								8.925					
				40 unit G+3				8.925					
				Steel work welded in built up sections/									
				framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc.									
				n gratings, frames, guard bar, ladder, railings, brackets, gates and similar works									
				Door chowkhats (16 UNIT)									
				D1	10			30	2	60			
	10.25	40 UNIT G+3 FLOOR	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.	D1	10			30	2	60			
				D2	10			30	2	60			
				DW1	10			45	1	45			
				W1	10			50	1	50			
				V1	10			15	2	30			
								245					
								9800					
								142.3					
								1394540					
	10.26.1	M.S. tube	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	65x40	1.25			1	1.25				
				25x25	0.84			2	1.68				
				20x20	1.25			2	2.5				
				20x20	0.64			8	5.12				
								10.55					
				Per floor 10 unit				105.5					
				G+3 Floor				4	422				
								157.15					
								66317.3					
	9.12	Per floor 10 unit	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	DW1	0.6			1.2	0.72	1	0.72		
				W1	1.5			0.9	1.35	1	1.35		
				V1	0.45			0.4	0.18	2	0.36		
								2.43					
								24.3					
								10					
								24.3					
								97.2					
								148.5					
								14434.2					
	Sub Total												

TOWER U DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 10 UNIT G+3 (40 UNIT)

Proprietor

M/S SAJID NADEEM

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 1911/22 Date. 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

sno	DSR - 21	CODE	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
8	13.1	13.1.2	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	wall	2.8			2.95	10	82.6			
				wall	4.1			2.95	10	120.95			
				wall	2.8			2.95	10	82.6			
				wall	1.3			2.95	10	38.35			
				wall	0.6			2.95	10	17.7			
				wall	1			2.95	10	29.5			
				wall	0.35			2.95	10	10.325			
				wall	2.2			2.95	10	64.9			
				wall	3			2.95	10	88.5			
				wall	1.4			2.95	10	41.3			
				wall	1.2			2.95	10	35.4			
			G.F, F.F, S.F, T.F ceiling		24.21			10.65	10	1031.34			
								1684.8	4	6739.2			
			INNER WALL					2.1	2	4.2			
				D1	1			2.1	2	4.2			
				D2	0.75			1.575	2	3.15			
				DW1	0.75			1.575	1	1.575			
				DW1	0.6			0.72	1	0.72			
				W1	1.5			1.35	1	1.35			
				V1	0.45			0.4	2	0.36			
			(Door & window) Deduction Per floor unit (40 unit)					11.35	40	454			
			INNER WALL							6739.2			
			DEDUCTION							454			
			TOTAL							6285.2			
			OUTER WALL		4.361			2.95	10	128.64			
					2.8			2.95	10	82.6			
			CORRIDOR		10.65			2.95	2	62.835			
								31.417	2	62.835			
			G+3 FLOOR					231.827	4	927.308			
			DEDUCTION	W1	1.5			0.9	10	13.5			
				DW1	0.75			2.1	10	15.75			
				DW1	0.6			1.2	10	7.2			
				V1	0.45			0.4	10	1.8			
			G+3 FLOOR					38.25	4	153			
			WALL							927.308			
			DEDUCTION							153			
			TOTAL							774.31			
			SOM							294.85			
			PARAPET WALL		31.32			1	4	125.28			
					10.65			1	4	42.6			
			Sub total							167.88			
			SOM							294.85			
			2130995.942							49499.418			

TOWER U DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 10 UNIT G+3 (40 UNIT)

TOWER U DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 10 UNIT G+3 (40 UNIT)

sno	DSR - 21	CODE	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
9	11.37		Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	floor	3.27	3.002		9.8165	10	98.165			
			Living Room	skirting	12.54	0.1		1.254	10	12.54			
			Kitchen	floor	2.101	1.2		2.521	10	25.21			
				skirting	6.602	0.1		0.6602	10	6.602			
			toilet	floor	0.9	1.2		1.08	10	10.8			
				wall	0.9		1.52	1.368	10	13.68			
				wall	1.2		1.52	1.824	10	18.24			
			Bed room	floor	2.465	3.155		7.77	10	77.7			
				skirting	11.2	0.1		1.12	10	11.2			
			Entrance	floor	1.335	1.335		1.7822	10	17.822			
				skirting	5.34	0.1		0.534	10	5.34			
			Corridor	floor	31.32	1.25		39.15					
				skirting	31.32	0.1		3.132					
			G+3 floor					339.58	4	1358.32	sqm	935.6	1270844.192
			Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.										
			8.6										
			G+3 Floor		0.3	1.2		0.36	20	7.2			
					2.06	1.25		2.575	1	2.575			
								9.775	4	39.1	sqm	417.6	16328.16
			Sub total										1287172.352

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0031 Date: 19/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

M/s SAJID NADEEM
 Proprietor

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M/S SAJID NADEEM
Proprietor

sno	DSR - 21	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
10	13.8	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	wall	2.8	2.95	8.26	10	82.6				
			wall	4.1	2.95	12.095	10	120.95				
			wall	2.8	2.95	8.26	10	82.6				
			wall	1.3	2.95	3.835	10	38.35				
			wall	0.6	2.95	1.77	10	17.7				
			wall	1	2.95	2.95	10	29.5				
			wall	0.35	2.95	1.0325	10	10.325				
			wall	2.2	2.95	6.49	10	64.9				
			wall	3	2.95	8.85	10	88.5				
			wall	1.4	2.95	4.13	10	41.3				
			wall	1.4	2.95	4.13	10	41.3				
			wall	1.2	2.95	3.54	10	35.4				
		G.F, F.F, S.F, T.F ceiling		24.21	10.65	257.83	4	1031.34	1684.765			
							4	1684.8	6739.2			
		INNER WALL					2	4.2				
		D1	1				2					
		D2	0.75				2					
		DW1	0.75				1	1.575				
		DW1	0.6				1	0.72				
		W1	1.5				1	1.35				
		V1	0.45				2	0.36				
		(Door & window) Deduction Per floor 10 unit (40 unit)				11.35	40	454	11.355	SQM		
		INNER WALL						6739.2				
		DEDUCTION						454				
		TOTAL						6285.2		SQM	123.85	778422.02
		OUTER WALL	4.361	2.95	12.864	10	128.64					
		2.8	2.95	8.26	10	82.6						
		CORRIDOR	10.65	2.95	31.417	2	62.835					
		G+3 FLOOR				274.08	4	1096.32	274.075			
		DEDUCTION	1.5	0.9	1.35	10	13.5					
		DW1	0.75	2.1	1.575	10	15.75					
		DW1	0.6	1.2	0.72	10	7.2					
		V1	0.45	0.4	0.18	10	1.8					
		G+3 FLOOR				38.25	4	153				
		WALL				927.308						
		DEDUCTION						153				
		TOTAL						774.31		SQM	123.85	95898.2935
		PARAPET WALL	31.32		1	31.32	4	125.28				
			10.65		1	10.65	4	42.6	167.88	SQM	123.85	20791.938

TOWER U DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 10 UNIT G+3 (40 UNIT)

Proprietor
M/s SAJID NADEEM

TOWER U DETAILED ESTIMATE OF CIVIL WORK PER FLOOR 10 UNIT G+3 (40 UNIT)

sno	DSR - 21	CODE	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
		22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:										
		(a)	after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm.										
		(b)	laying second layer of fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm.										
		(c)	third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around										
		(d)	fourth and final layer of brick tiling with cement mortar (which will be paid for separately.										
			For the purpose of measurement the entire treated surface will be measured.		1.915	1.315		2.518	8	20.144	sqm		
								20.144	4	80.576	sqm	585.55	47181.2768
								20.144					

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0049 Date 14/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob: 7895872139, 9412143346

Ms SAJID NADEEM
 Proprietor

DETAILED ESTIMATED FOR INTERNAL ELECTRICAL PER FLOOR 10 UNIT G+3 (40 UNIT)

S.NO	DSR -2022	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	1.8	Wiring for light point /fanpoint/exhaust fan point with 1.5 sq.mm FRLS PVC insulated copper conductor single core in surface / recessed medium class pvc conduit, with piano type switch, phenolic laminated sheet, suitable size and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
		Group A point	Nos.	272	1221	332112
1.2		Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way piano type switch, phenolic laminated sheet, suitable size M5 box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Point	25	1835	45875
		Wiring of circuit / sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required				0
	1.7.2	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Meter	1200	327	392400
	1.7.3	2 x 4 sq. mm. + 1 x 4 sq. mm. earth wire	Meter	600	428	256800
	1.7.4	2 x 6 sq. mm. + 1 x 6 sq. mm. earth wire	Meter	300	589	176700
1.27		Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				0
		1 or 2 Module (75 mmX75 mm)	Each	40	298	11920
	1.27.2	3 Module (100 mmX75 mm)	Each	160	327	52320
1.23		Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				0
		5/6 amps switch	Each	40	103	4120
		15/16 amp switch	Each	40	156	6240
		3 pin 5/6 amp socket outlet	Each	40	122	4880
		6 pin 15/16 amp socket outlet	Each	40	197	7880
		TV antenna socket outlet	Each	40	148	5920
		Bell Push	Each	40	140	5600
1.38		Supplying and fixing call bell / buzzer suitable for single phase, 230 volts, complete as required.	Each	40	99	3960
		Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	40	369	14760
1.25		Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	120	131	15720
		1.32				

M/s SAJID NADEEM

Proprietor

PAL ARCHITECT AND ENGINEER

COA No. CA/2018/96244/12

Case No. 0049 Date: 11/11/22

Tapovan Road Infront of PRD Ground

Near by IDBI Bank, Dehradun (U.K.)

Mobile: 7895872139, 9412143346

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0019 Date 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

Mrs SAJID NADEEM
Proprietor

					Sub Total		1666249
4	5.4	Earthng with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of	Each	1	7472		7472
		2.7 meter long etc. with charcoal/ coke and salt as required.					0
	5.7	Supplying and laying 6 SWG GI wire at 0.50 Meter below ground level for conductor earth electrode including connections / termination with GI thimble etc. as required.	meter	22	51		1122
	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	meter	22	1162		25564
		Providing and fixing of lightning conductor final, made of 25mm dia 300mm long G.I tube, having single prong at top, with 85mm dia 6mm thick GI base plate including holes etc. complete as required.	Each	4	518		2072
		Providing and fixing GI tape 20mm x 3mm thick on parapet or surface of wall for lightning conductor complete as required.(for horizontal run)	meter	250	126		31500
9.1.23		3.5C x 70 sq. mm (Al. Armored Cable)	Each	4	468		1872

DETAILED ESTIMATE OF INTERNAL PLUMBING WORK PER FLOOR 10 UNIT

G+3 40 UNITS

S.No.	DSR 2021	DESCRIPTION OF WORK	UNIT	Qty	Rate (Rs)	Amount (Rs)
		Sanitary Fixtures				
1	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device(handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
a)	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	Each	40	5781.35	231254
	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.10.2	Kitchen sink without drain board				
	17.10.2.2	610x460 mm bowl depth 200 mm	Each	40	3337.85	133514
		Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	17.28.2	Flexible pipe				
	17.28.2.1	32 mm dia	Each	40	104.35	4174
	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
a)	18.51.1	15 mm nominal bore	Each	120	594.75	71370
		WATER SUPPLY SYSTEM				
	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. : Internal work - Exposed on wall				
b)	18.7.2	20 mm nominal outer dia. Pipes.	metre	250	325.10	81275
c)	18.7.3	25 mm nominal outer dia. Pipes.	metre	70	408.55	28598.5
d)	18.7.4	32 mm nominal outer dia. Pipes.	metre	70	500.95	35066.5
e)	18.7.5	40 mm nominal outer dia. Pipes.	metre	30	674.35	20230.5

M/s SAID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 4079 Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

DETAILED ESTIMATE OF INTERNAL PLUMBING WORK PER FLOOR 10 UNIT
G+3 (40 unit)

S. No.	DSR 2021	DESCRIPTION OF WORK	UNIT	Qty	Rate (Rs)	Amount (Rs)
a)	18.8.1	15 mm nominal outer dia. Pipes.	Metre	60	441.15	26469
	18.8.2	20 mm nominal outer dia Pipes	metre	80	712.75	57020
	18.8.3	25 mm nominal outer dia Pipes	metre	10	626.05	6260.5
	18.17.3	40 mm dia nominal bore	Each	20	707.30	14146
	18.17.5	65 mm dia nominal bore	Each	8	1490.70	11925.6
	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
b)	18.18.2	20 mm nominal bore	Each	40	397.45	15898
c)	18.18.3	25 mm nominal bore	Each	6	399.15	23949
	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
a)	18.21.1	30 cm length				
(i)	18.21.1.1	15 mm nominal bore	Each	40	74.80	2992
	18.33	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :				
a)	18.33.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	No.	6	10102.50	60615
	18.58	Providing and fixing PTMT grating of approved quality and colour.				
a)	18.58.1	Circular type.				
(ii)	18.58.1.2	125 mm nominal dia with 25 mm waste hole.	No.	80	45.25	3620

M/s SAID NADEEM

Proprietor

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 8079 Date 14/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob: 7895872139, 9412143346

G+3 (40 unit)					
DETAILED ESTIMATE OF INTERNAL PLUMBING WORK PER FLOOR 10 UNIT					
S.No.	DSR 2021	DESCRIPTION OF WORK	UNIT	Qty	Rate (Rs)
					(Rs)
		Providing and fixing un plasticised -PVC pipe clips of approved design to un plasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, 12.43 including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.			309.5
	12.43.2	110 mm	Each	80	24760
Total cost for single (G+3) tower					853137.6

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Date. 14/11/22
 Case No. 6079
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

Ms SAJID NADEEM
 Proprietor

DETAILED ESTIMATE OF EXTERNAL SEWERAGE SYSTEM

S.NO	DSR - 2022	EARTHWORK	UNIT	QTY	RATE	AMOUNT
		2.1				
		Excavation in trench in all kinds of soil of required width for pipes with working space including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5m including getting out the excavated soil, and then returning the soil as required, in layers not exceed 20cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, wherever required within the site area/boundary, item including shoring, strutting, dewatering (except sub-soil water) all complete as per direction of the Project manager at site.				
		2.10.1.2	Pipes, cables etc. exceeding 80 mm dia, but not exceeding 300 mm dia	Rm	3771	417.35
		2.10.1.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	Rm	19	651.55
		2.11	Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre).	Rm	1425	127
		19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :	Rm	3477.1	830.4
		19.1.3	200 mm diameter	Rm		2887383.84
		19.1.4	250 mm diameter	Rm		203802.18
		19.1.5	300 mm diameter	Rm		241190.04
		19.2	Providing and laying cement concrete 1:5:10 (1 cement:5 coarse sand:10 graded stone aggregate 20 mm nominal size) all-round design:			
		19.2.3	Providing and laying cement concrete 1:5:10 (1 cement:5 coarse sand:10 graded stone aggregate 20 mm nominal size) up to haunches of S.W. Pipes including 150 mm thick bed concrete as per standard design:	Rm	3477	830.4
		19.3	Providing and laying cement concrete 1:5:10 (1 cement:5 coarse sand:10 graded stone aggregate 20 mm nominal size) up to haunches of S.W. Pipes including 150 mm thick bed concrete as per standard design:			
		19.3.5	300 mm dia	Rm	135.92	1089.1
		19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:			
		19.4.1	100x100 mm size P type			
		19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	886	2453.55
		19.9	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a per standard design			
		19.9.1	0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete, (excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately)	Each	360	11886.45
		19.9.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each		4279140
		19.11	Constructing brick masonry circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design			
		19.11.1	.68 m deep with SFRCC Cover and frame (heavy duty HD 20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete, (excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately) :	Each		
		19.11.2	With Sewer bricks conforming IS : 4885	Each	113	22463.9
						2538420.7

M/s SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0079
Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 8049 Date: 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

M/s SAJID NADEEM
Proprietor

19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS : 1786, having minimum cross section as 23 mm x 25 mm and over all minimum length 253 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequered besides necessary and adequate anchoring projections on full length on bend test and chemical resistance test as per specifications and having manufacturer's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	Each	1425	487.1	694117.5
19.1	Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m	Meter	117	6693.95	783192.15
19.10.2	With Sewer bricks conforming IS : 4885				
19.3	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design.				
19.30.1	Inside dimensions 455x610 mm and 45 cm deep for single pipe line				
19.30.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	234	6431.3	1504924.2
Sub Total					
					20108528.48

DETAILED ESTIMATE OF EXTERNAL WATER SUPPLY SYSTEM

S.NO	DSR-2022	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		EARTHWORK				
2.1		Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m ;				
2.10.1		All kinds of soil				
2.10.1.1		Pipes, cables etc, not exceeding 80 mm dia.				
2.10.1.2		Pipes, cables etc, exceeding 80 mm dia. but not exceeding 300 mm dia				
		Sand filling				
18.41		Providing and filling sand of grading zone V or coarser grade, allround the G.I. pipes in external work ;				
18.41.9		100 mm diameter pipe				
18.41.10		150 mm diameter pipe				
		Pipe work				
18.7		Providing push-on-joints to Centrally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket				
18.70.1		100 mm dia pipes				
18.70.2		150 mm dia pipes				
18.70.3		200 mm dia pipes				
18.72		Pipes conforming to IS : 8329 : Providing and laying S&S Centrally Cast (Spun) / Ductile Iron				
18.72.1		100 mm dia Ductile Iron Class K-7 pipes	Rm	629	1121.1	705121.9
18.72.2		150 mm dia Ductile Iron Class K-7 pipes	Rm	629	1601.3	1007217.7
18.72.3		200 mm dia Ductile Iron Class K-7 pipes	Rm	1048	1975.95	2070795.6
18.8		Disinfecting C.I. water mains by flushing with water containing bleaching powder @ 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory.				
18.80.2		100 mm diameter C.I. pipe	100 m	8.65	1996.5	17269.725
18.80.4		150 mm diameter C.I. pipe	100 m	8.65	2974.9	25732.885
18.80.5		200 mm diameter C.I. pipe	100 m	8.65	3954.45	34205.9925
		VALVES AND ACCESSORIES				
18.31		Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately)				
18.31.1		100 mm diameter				
18.31.1.2		Class II				
18.31.1.2		150 mm diameter				
18.31.2		Class II				
18.31.2.2		200 mm diameter				
18.31.4		Class II				
18.31.4.2		Double acting air valve of approved quality				
18.31.4.2		200 mm diameter	Each	5	27521.5	137607.5
18.59		Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) ;				
18.59.1		50 mm dia	each	5	5171.75	25858.75
18.59.2		80 mm dia	each	3	6255.45	18766.35
18.6		Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) ;				
18.60.2		100 mm dia nominal bore	Each	5	4995.9	24979.5
18.60.3		150 mm dia nominal bore	Each	3	7357.35	22072.05
18.34		Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) ; 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design ;	Each			
18.34.1		With common burnt clay F-P-5 (non modular) bricks of class designation 7.5	Each	52	1757.9	914050.8
19.6		Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars joined with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete ;				
19.6.3		250 mm dia. R.C.C. pipe	meter	100	811.15	81115
19.6.4		300 mm dia. R.C.C. pipe	meter	100	902.05	90205
18.61		Providing and fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS : 2373 ;				
18.61.3		150 mm dia	each	5	8394.25	41971.25
		Sub Total				
						7134816.618

Proprietor .

Mrs SAJID NADEEM

(Signature)

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 80.37
Date. 19/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

DETAILED ESTIMATE OF CIVIL WORKS OF EXTERNAL DRAINAGE SYSTEM

S.No.	DSR No.	DESCRIPTION	UNIT	QTY.	RATE (Rs)	AMOUNT(Rs)
1	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	2.8.1	All kinds of soil.	Cum	2895	286.85	830459.7
a		Extra over item no. 1 for depth exceeding 1.5 m but not exceeding 3.0 m.	cum	289.00	286.85	82899.65
	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	cum	498.65	253.95	124346.61
CEMENT CONCRETE WORKS						
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.4	1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size).	cum	110.58	7226.95	799156.131
	4.1.11	1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size).	cum	223.65	5660.45	1265959.64
5	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	1888	8288.35	15648404.8
6	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	758.69	307.95	233638.58
	5.9.2	Walls (any thickness) including attached pilasters, butresses, plinth and string courses etc.	Sqm	11258.00	669.55	7537793.9
	13.4	12 mm cement plaster :				
	13.4.2	1:6 (1 cement : 6 coarse sand)	sqm	7258	294.35	2136392.3
	13.18	Neat cement punning	sqm	7458	67.80	505652.4

Total for Civil work

M/S SAJID NADAR

Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 8039
Date 14/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

DETAILED ESTIMATE OF CC ROAD & PAVING

DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
12	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.		5801	0.03	174.03	1	1	174.03	cum	2161.2	376113.636
	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :										
	4.3.1	Foundations, footings, bases for columns		1568	0.12	188.16	2	2	376.32	cum	307.95	115887.744
	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. surplus earth with lead upto 50 metres. and re-rolling the sub grade and disposal of		15668			1	1	15668	sqm	180.5	2828074
	16.78	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-charge.										
	16.78.1	With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30										
			P1	339.23	0.125		1	1	42.40375			
			P2	614.14	0.125		1	1	76.7675			
			P3	878.18	0.125		1	1	109.7725			
			P4	824.29	0.125		1	1	103.03625			
			P5	202.89	0.125		1	1	25.36125			
			P6	916.9	0.125		1	1	114.6125			
									471.95375	cum	2658.1	1254500.26
	16.75	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately).		15668	0.125		1	1	1958.5	cum	8277.55	16211581.7
		STEEL REINFORCEMENT										
	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level										
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.										
				22	1889			1	41558	kg	89.65	3725674.7

Proprietor
Mrs SAJID NADEEM

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 80.19
Date. 11/11/22
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

M/S SAJID NADEEM

gmo

[illegible]

DETAILED ESTIMATE OF BOUNDARY WALL CIVIL CONSTRUCTION

sno	DSR - 21	CODE NO.	Description of work	Item	L	B	H	Qty	No	Total Qty	Unit	Rate	Amount
ALL WORK FROM 30 M LENGTH													
12	2.6		Earth work in excavation by mechanical means (Hydraulic excavator/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.										
	2.6.1		All kinds of soil		30	0.9	0.75	20.25	1	20.25	CUM	205.45	4160.36
	4.1		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :		30	0.9	0.15	4.05	1	4.05	CUM	6050.65	24505.13
	4.1.10		1:5:10 (1 cement : 5 coarse sand (zone-III)		30						CUM		
	4.1.3		1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)		30	0.46	0.05	0.69	1	0.69	CUM	7365.15	5081.95
	5.2		Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :										
	5.2.2		1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)		30	0.23	0.15	1.035	1	1.035	CUM	10185.05	10541.475
	5.2.2A		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.		1.035						KG	89.65	11134.53
	5.2.2A.6		Thermo-Mechanically Treated bars of grade Fe-500D or more										
	6.2		Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:										
	6.2.2		Cement Mortar 1:6 (1 cement : 6 coarse sand).		30	0.68	0.15	3.1	1	3.1			
					30	0.575	0.15	2.6	1	2.6			
					30	0.46	0.15	2.1	1	2.1			
					30	0.345	0.15	1.6	1	1.6			
	6.4		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :										
	6.4.2		Cement mortar 1:6 (1 cement : 6 coarse sand)		24.94	0.23	0.15	0.8604	1	0.8604			
			Length of wall=30-0.46*11 (below RCC band)		24.94	0.23	1.2	0.6883	1	0.6883			
			Above RCC Band		0.46	0.46	1.8	0.3808	11	4.189			
	13.4		Column								cum	8288.35	98875.04
	13.4.1		1:4 (1 cement: 4 coarse sand)		24.94	1.2	29.28	1					
					0.46	1.8	0.828	11					
					0.115	1.8	0.207	22					
											sqm	307.25	13193.92
	13.5		15 mm cement plaster on rough side of single or half brick wall of mix:										
	13.5.1		1:4 (1 cement: 4 coarse sand)		24.94	1.2	29.28	1					
					0.46	1.8	0.828	11					
					0.115	1.8	0.207	22					
											sqm	354.5	15222.93

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 0049
 Date 19/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

M/S SAJID NADEEM
 Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 19/11/22
Date: 19/11/22
Near by IDBI Bank, Dehradun (U.K.)
Mob: 7895872139, 9412143346

M/S SAJID NADEEM
Proprietor

S.NO	DSR-2022	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
23.1		Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 50 metre depth below ground level.				
23.1.1		All types of soil				
23.1.1.1		300 mm dia	metre	62	592.05	36707.1
23.2		Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, beyond 50 metre & upto 150 metre depth below ground level.				
23.2.1.1		300 mm dia	metre	154	690.7	106367.8
23.1		Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/plain ended casing pipes of required dia, conforming to IS: 4770, of required & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.				
23.1.1		200 mm nominal size dia	metre	78.5	2082.1	163444.85
23.10.3		Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain ended (having slot of size 1.6/3.2 mm) mild steel threaded and socketed/plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of required & approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.				
23.11.3		200 mm nominal size dia	metre	72.6	2194.85	159346.11
23.6		Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	cum	5.69	1309	7448.21
23.12		Development of tube well in accordance with IS: 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., as per requirement and direction of Engineer-in-charge.	hour	45	916.8	41256
23.13		Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of:				
23.13.3		200 mm dia	each	1	280.95	280.95
23.14		Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.				
23.14.3		200 mm clamp	each	1	1827	1827
23.15		Providing and fixing Ball plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS: 2800 (part I).				
23.15.3		200 mm dia	each	1	308.55	308.55
TOTAL DRILL OF Tube well civil + Electrical cost						
Total 1 No Drilling of Tube well						
516986.57						

DETAILED ESTIMATE OF TUBE WELL

M/S SAJID MADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244 Date: 14/11/22
Case No. 2039
Tapovan Road Infront of PRD Ground
Near by IDBI Bank, Dehradun (U.K.)
Mob.: 7895872139, 9412143346

S.NO	DSR-2022	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.1		P/L cement concrete - all works upto plinth level : 1:5:10 (1 cement : 5 coarse sand derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	25.12	6050.65	151992.328
9.71		Providing and fixing 15 : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :	each	6	85.45	512.7
10.16		Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolting with special shaped washers etc. complete.	kg			
10.16.1		Hot finished welded type tubes	kg			
		HollowSSBBOXsection 80x40x2mm	kg	76.8712		
		HollowSSBBOXsection 40x20x1.5mm	kg	134.4244		
		TOTAL		211.2956	154.9	32729.68844
10.27.2		Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete/ masonry, etc. as per direction of Engineer-in-charge.	each	36	117.3	4222.8
10.27.2		10 x 80 mm	each	36	117.3	4222.8
		Total cost of 2 Main gate		2	239627.11	479254.22

S.NO	DSR-2022	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.6		Earth work in excavation by mechanical means (Hydraulic excavator/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m; as directed by Engineer-in-charge				
2.6.1		All kinds of soil in charge	cum	950.5	205.45	195280.225
		Extra over item no. 1 for depth exceeding 1.5 m but not exceeding 3.0 m	cum	640	205.45	131488
		Extra over item no. 1 for depth beyond 3.0 m.	cum	42	205.45	8628.9
2.25		Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	455.2	253.95	115598.04
4.1		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level				
4.1.3		1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	3.54	7365.15	26072.631
4.1.1		1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size).	cum	67.3	5660.45	380948.285
		Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but, excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS-9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).				
5.33.1		All works up to plinth level.	cum	568.2	7997.3	4544065.86
		Centering and shuttering including strutting, propping etc. and removal of form for				
5.9.1		Foundations, footings, bases of columns, etc. for mass concrete. Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	53	307.95	16321.35
5.9.2		Suspended floors, roofs, landings, balconies and access platform.	Sqm	475.6	766.55	364571.18
5.22		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
5.22A.6		Thermo-Mechanically Treated bars	Kg	58645.2	89.65	5257542.18
		Providing and fixing in recommended proportion admixtures as per IS code for water proofing concrete as per manufacturer specification and direction of Construction manager				
22.4.1		Serrated with central bulb (235 mm wide, 8-11 mm thick)	metre	77.9	285.6	22248.24
11.26		Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick				
22.14		Grading roof for water proofing treatment with	Sqm	45	0.1491	6.7095
22.14.1		Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	18.9	3.2	60.48
22.1		Providing and laying integral cement based treatment for water proofing on horizontal surface at all depth below ground level for under ground structures as directed by Engineer-in-Charge and consisting of : i) 15 layer of 22mm thick approved and specified rough stone slab over a 25mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be paid separately). ii) joints sealed and grouted with cement slurry mixed with water proofing compound. iii) 2nd layer of 25mm thick cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound. iv) Finishing top with stone compound in recommended proportions. iii) Finishing top with stone aggregate of 10mm to 12mm nominal size spreading @ 8 cum/sqm thoroughly embedded in the 2nd layer.				
22.1.1		Using rough kota stone sqm	Sqm	390	0.342	133.38
22.2.1		Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with neat cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge :	Sqm	250	0.443	110.75
6.3		Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS-2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :				
6.3.1		With F.P.S (non modular) bricks	cum	15.9	8030.6	127686.54
13.4.2		1:6 (1 cement : 6 coarse sand)	Sqm	215.3	294.35	63373.555
13.37.1		White washing with lime to give an even shade :	Sqm	215.3	32.45	6986.485
		New work (three or more coats)	Sqm			
TOTAL COST						
12312316.29						

DETAILED ESTIMATE OF UNDER GROUND TANK AND PUMP ROOM

M/s SAUD NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0019 Date: 19/11/22
Near by IDBI Bank, Dehradun (U.K.)
Tapovan Road Infront of PRD Group
Mob.: 7895872139, 9412143346

DETAILED ESTIMATE OF SEWAGE TREATMENT PLANT FOR CONSTRUCTION OF 1256 HOUSES

SR NO	DSR-21	DESCRIPTION	UNIT	QTY.	RATE (RS)	AMOUNT (RS)
		EARTH WORK				
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
2.6.1		All kinds of soil.	cum	5528.10	205.45	1135748.14
	a	Extra over item no. 1 for depth exceeding 1.5 m but not exceeding 3.0 m.	cum	541.63	205.45	111277.88
	b	Extra over item no. 1 for depth beyond 3.0 m.	cum	1052.50	205.45	216236.125
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	cum	168.50	253.95	42790.575
		CEMENT CONCRETE WORKS				
4		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
4.1.11		1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size).	cum	63.16	6050.65	382159.054
5.5		Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but, excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum, Excess/less cement used as per design mix is payable/recoverable separately).				
5.5.3.1		All works up to plinth level.				
		using M20 grade instead	cum	523.98	8320.05	4359539.79
6		Centering and shuttering including strutting, propping etc. and removal of form for :				
5.9.1		Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	39.20	307.95	12071.64
5.9.2		Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	2120.00	669.55	1419446
5.9.3		Suspended floors, roofs, landings, balconies and access platform.	Sqm	442.68	766.55	339336.35
7	5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
		Thermo-Mechanically Treated bars.	Kg	51578.00	89.65	4623967.7
8		Providing and fixing in recommended proportion admixtures as 50per 15 code for water proofing concrete as per manufacturer specification and direction of Construction manager	Per bag of Kg of cement used in the mix			
8	22.4	Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete :				
22.4.1		Serrated with central bulb (225mm wide, 8-11mm thick)				

Mrs SAJID NADEEM
Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
154.00 285.60 43982.4
Case No. 0019
Date 11/11/22
Near by IDBI Bank, Dehradun (U.K.)
Tapovan Road Infront of PRD Ground
Mob.: 7895872139, 9412143346

DETAILED ESTIMATE OF SEWAGE TREATMENT PLANT FOR CONSTRUCTION OF 1256 HOUSES

SR NO	DSR-21	DESCRIPTION	UNIT	QTY.	RATE (Rs)	AMOUNT (Rs)
9		Providing and fixing 500 mm dia CI manhole cover and frame (medium duty). Weight of cover not less than 58 Kg.				
10	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	sqm	159.60	1706.60	272373.36
11	22.14	Grading roof for water proofing treatment with				
12	22.14.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	6.25	3.20	20
13	22.1	Providing and laying integral cement based treatment for water proofing on horizontal surface at all depth below ground level for under ground structures as directed by Engineer-in-Charge and consisting of : i) 1st layer of 22mm to 25mm thick approved and specified rough stone slab over a 25mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be paid separately). Joints sealed and grouted with cement slurry mixed with water proofing compound. ii) 2nd layer of 25mm thick cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportions. iii) Finishing top with stone aggregate of 10mm to 12mm nominal size spreading @ 8 cum/sqm thoroughly embedded in the 2nd layer.				
22.1.1		Using rough kota stone.	Sqm	558.66	0.342	191.06
22.2		Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge :				
22.2.1		Using rough Kota stone	sqm	248.99	0.443	110.262
22.23		Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels/subway and bridge deck etc, prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guaranteed for 10 years against any leakage.				

M/s SAUD NADEEM

Proprietor

PAL ARCHITECT AND ENGINEER
COA No. CA/2018/96244
Case No. 0937
Date: 19/11/22
Near by IDBI Bank, Dohradun (U.K.)
Tapovan Road Infront of PRD Ground
Mob.: 7895872139, 9412143346

DETAILED ESTIMATE OF SEWAGE TREATMENT PLANT FOR CONSTRUCTION OF 1256 HOUSES

Sr.No	DSR-21	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
15	6.3	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :				
	6.3.1	With F.P.S.(non modular) bricks.	CUM	9.58	8030.60	76933.148
	13.4	12 mm cement plaster of mix :				
16	13.4.2	1:6 (1 cement: 6 coarse sand)	Sqm	138.57	294.35	40788.07
17	13.37	White washing with lime to give an even shade :				
	13.37.1	New work (three or more coats)	One Square Metre	168.25	32.45	5459.712
TOTAL CIVIL WORK OF STP						13082431.22

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. Date. 19/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

MA SAJID NADEEM
 Proprietor

OTHER SERVICES				
1	External sewerage system			20108528.48
2	External water supply system			7134816.618
3	External Drainage system			29164703.71
4	C.C Paving work cost			28476040.6
5	Boundary wall construction 720.04 M			7647213.62
6	Tube well cost			516986.57
7	Main Entrance gate			479254.22
8	U.G Tank and Pump Room			12312316.29
9	S.T.P Construction			13082431.22
	other service			1189222291.3

Grand Total 19 Tower A TO H, J TO T	739255025.6
Grand Total Tower U	25193065.41
Grand Total other service	1189222291.3
Grand total project cost	883370382.4

PAL ARCHITECT AND ENGINEER
 COA No. CA/2018/96244
 Case No. 9039
 Date 19/11/22
 Tapovan Road Infront of PRD Ground
 Near by IDBI Bank, Dehradun (U.K.)
 Mob.: 7895872139, 9412143346

M/s SAJID NADEEM
 Proprietor: