

NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Memo. No. 9168 /NKDA/Engg-36/2010(X)

Date: 24/12/2019

NOTICE INVITING e-TENDER Notice Inviting e-Tender No. WBNKDA/29/EE-I/NKDA/2019-20

Executive Engineer I, New Town Kolkata Development Authority invites percentage rate tender from resourceful, reliable, bona-fide and experienced working contractors of KMDA, WBHIDCO, PWD, PHED, Railways and other Govt. and semi Govt. organizations having experience in similar nature of work, and are requested to submit their offer for the work detailed below.

(Submission of Bid through **online**)

List of Schemes :-

Name of work	Estimated Amount (Rs.)	Earnest Money (Rs.)	Price of Tender documents (Rs.)	Period of completion
Construction of day care centre at block AD (Action Area - 1A), New Town Kolkata	Rs.76,45,011.00 (Rupees seventy six lakh forty five thousand and eleven only)	Rs.1,53,000.00 (Rupees one lakh fifty three thousand only)	Rs. 2,505.00 Each set to be paid only by the successful bidder during the time of agreement	09 (Nine) months

1. In the event of e-filing, intending bidder should download the tender documents from the website <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate. All the bidder shall have to submit earnest money & necessary earnest money will be deposited by the bidder through the following payment mode as finance dept. order no-3975-F (Y) dated 28th July 2016 (Annexure-A)
 - i) Net banking (any of the banks listed in the ICICI Bank payment gateway in case of payment through ICICI payment gateway).
 - ii) RTGS/NEFT through bank account in any bank. The EMD shall be deposited in favour of "New Town Kolkata Development Authority" payable at Kolkata.
2. Both Technical bid and Financial bid are to be submitted concurrently duly digitally signed in the website <https://wbtenders.gov.in>. The acceptance of lowest bid is not obligatory.

3. Tender documents may be downloaded from website and submission of Technical Bid and Financial Bid will be done as per Time Schedule stated in Sl. No. 14 of this NleT.
4. The **FINANCIAL OFFER** of the prospective qualified tenderer(s) will be considered only if the **TECHNICAL BID** of the tenderer(s) is found qualified by competent authority of New Town Kolkata Development Authority. The decision of the competent authority of New Town Kolkata Development Authority will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website.
5. In term of Finance Department, Audit Branch, Govt. of West Bengal's Notification no.4374-F(Y) dated 13th July, 2017, the bidder has to upload valid 15-digit Goods and service Taxpayer Identification Number (GSTN) under GST Act, 2017, along with his bid. The bidder should note that bid submitted without GSTIN will be summarily rejected
6. In term of finance dept. Govt. of West Bengal **G.O. no-4608-F (Y)** dated 18th July 2018 when bid rate is 80% or less of Estimated Amount put to tender, the Bidder shall submit Additional Performance Security @ 10 % of the Tendered Amount from any Schedule Bank, before issuance of work order.

The Additional performance security shall be submitted in the form of Bank Guarantee from any scheduled Bank before issuance of the work order. If the bidder fails to submit the additional performance security within seven working days from the date of issuance of Letter Acceptance, his earnest money will be forfeited and other necessary action as per NIT like blacklisting of the contractor, etc. may be taken. The bank Guarantee shall have to be valid up to end of the contract period and shall be renewed accordingly, if required.

7. Eligibility criteria for participation in the tender.

Working Contractors of KMDA, WBHIDCO, PWD, PHED, Railways and other Govt. & semi Govt. organization having satisfactorily completed (as prime contractor)

- a) Similar nature of single work of value not less than Rs.31,00,000/- (Rupees thirty one lakh only) during last 5(five) years prior to the date of issue of the tender notice.

OR

- b) Intending tenderer may also produce credential of 02 (two) similar nature of completed work, each of value not less than Rs.23,00,000/- (Rupees twenty three lakh only) during last 5(five) years prior to the date of issue of the tender notice.

OR

- c) Intending tenderer may also produce credential of one single running work of similar nature which has been completed to the extent of 80% or more and value of which is not less than the estimated value. In case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executing agency, i.e, the bidder.

- i) Payment certificate will not be treated as credential.
 - ii) Credential certificate issued by the Executive Engineer or equivalent or competent authority of a state/central Government, state/ central Government undertaking statutory/ Autonomous bodies constituted under the central/ state statute, on the executed value of completed/ running work will be taken as credential.
- d) Intending Tenderer must be financially sound with a minimum average turnover of Rs.9lakh, (Rupees ten lakh only) during the last three financial years and having a trade license, G.S.T Registration certificate and Profession Tax certificate.
- e) PAN Card, Income Tax Return Acknowledgement Receipt for the last 03 (Three) Assessment years, P.T. Deposit Challan for the year 2018-2019.
- ii) Registered Partnership Deed for Partnership Firms only along with Power of Attorney since executed under any Judicial Magistrate/First Class Magistrate is to be submitted. The company shall furnish the Article of Association and Memorandum as on-statutory documents.
 - iii) Joint Ventures/MOU will not be allowed.
 - iv) Three consecutive years' Audit report to be submitted along with Tender documents.
8. Similar work means
- i) Work involving construction and complete finishing of building including electrical, Plumbing and sanitary work.
- OR
- ii) Civil construction work with associated electrical work, plumbing work and sanitation work at the same site.
9. Fund for this project has been made available from the Smart City Mission by the New Town Kolkata Green Smart City Corporation Limited.
10. On-going payments or part payment for work may be allowed to the executing agency as per existing rules. Subject to deduction of security deposit, progressive payment may be made against the completed or partly completed item of works. Such interim payments, shall be made as running account bill (s), however, shall not constructed to mean that the respective items / components have finally been approved and accepted by NKDA and the contractor shall not be absolved of his responsibility to set right any deficiency of such paid items / components at his/ their own cost, for rectifying all defects which are subsequently being noted or found.
11. No claim for interest or compensation will be entertained in respect to any money or balance of payment which may be due or alleged to be due to the contractor owing to any dispute between the contractor and NKDA or in respect to any delay in making payment of progressive or final bill of the work, to the contractor.
- Payment for the works done by the contractor will be based on recorded and accepted measurement at various stages of work. Acceptance of measurements put for payment to be invariably made by putting signature (with seal) of the contractor (or his/ their authorized representative). The contractor or his / their authorized

representatives are advised to take measurements jointly with the officials of NKDA. In case of failure on his/their part either to take measurement jointly and /or acceptance of the recorded measurement, within a reasonable time, measurement taken by the department shall be considered as final for making payment. Similar acceptance is also essential for level records and survey data, field books etc.

12. No advance and secured advance will be allowed.

13. Idle labour, idle rent and hire charges etc.:

No claim of any category and type, on this ground shall be entertained. The contractor and NKDA shall make every effort that such situation does not arise.

14. Testing and Testing Equipment: Testing of materials, to be used in work and the quality of finished work on quality control aspect, is to be undertaken by the contractor at their own cost, with facilities provided at site and / or through approved (by NKDA) Test Houses / Laboratories. All materials and workmanship shall be in accordance with the specifications laid down in the contract and also as per P.W.D.(Buildings& Road Scheduled) and IS Codes . The Engineer-in-Charge reserves the right to test, examine and measure the material / workmanship direct at the place of manufacture, fabrication or at the site of works or any suitable place. The contractor shall provide such assistance, instrument machine, labour and materials as the Engineer-in- Charge may require for examining, measuring and testing the works and quality, weight or quantity of materials used and shall supply samples for testing as may be selected and required by the Engineer-in-Charge without any extra cost. Beside this, he/they will carry out tests from outside Laboratory as per instruction of Engineer-in-Charge. The cost of all such tests would be borne by the agency.

Should the Chief Engineer or his representative consider it necessary to satisfy himself/themselves as to quality of work, the contractor shall offer sample of work done as necessary, pull down reasonable part of the work required for inspection and testing. The contractor shall bear the cost of pulling down and shall make good the same at their own cost and to the full satisfaction of E-I-C without any claim for payment.

15. Security Deposit:

Retention money towards performance Security amounting to 8% (eight percent) of the value of the work shall be deducted from the running account bill of the tenderer as per prevailing order. No interest will be paid on the money retained for Security Deposit.

16. Date and Time Schedule:

Sl. No.	Particulars	Date & Time
1	Date of uploading of N.I.e.T. & other Documents (online) (Publishing Date)	24/12/2019.
2	Date , venue and time of pre bid meeting	30/12/2019 at 3.00 P.M. Conference Hall of NKDA at 01, MAR, New Town, Kolkata - 700156

3	Documents download start date (Online)	24/12/2019 from 6.30P.M.
4	Documents download end date (Online)	08/01/2020 upto 10:00A.M.
5	Bid submission start date (On line)	24/12/2019 from 6.30P.M.
6	Bid Submission closing (On line)	08/01/2020 upto 10:00A.M.
7	Bid opening date for Technical Proposals (Online)	10/01/2020 at 10:00A.M.
8	Last date of uploading list for Technically qualified Bidder(online)	Will be intimated in due course
9	Date of opening of Financial Proposal(online)	Will be intimated in due course
10	Last date of intimation to the successful bidder	Will be intimated in due course

17. Earnest Money for the successful tenderer will be retained and converted as Initial Security deposit. The Balance security deposit @ 8% will be deducted from on-going bills to cover the total value of workdone.
- a) The security deposit of the successful tenderer will be refunded after defect liability period as stipulated in relevant clause of the agreement to be made in WBF2911(ii).
18. The tenderers are bound by the terms & conditions of WBF 2911(ii) along with specification, notice for calling Tenders, Special terms & condition, Information to Bidders, Schedule of works etc, which forms a part and parcel of this contract.
19. Income Tax & G.S.T will be deducted as per Govt. orders issued from time to time and would be applicable on the date of making payment of the bills. Building & other construction workers cess @ 1.0% will be deducted from progressive bills in pursuance with G.O. no. 599A/ 4M – 28 / 06dated 27/09/2006.
20. The Bidder, at his own responsibility and risk is encouraged to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the work as mentioned in the Notice Inviting Tender, before submitting offer with full satisfaction. The cost of visiting the site, shall be at his own expenses.
21. The intending Bidders shall clearly understand that whatever may be the outcome of the present invitation of Bids, no cost of Bidding shall be reimbursable by the Department. New Town Kolkata Development Authority reserves the right to accept or reject any offer without assigning any reason whatsoever and is not liable for any reimbursement of any cost that might have been incurred by any Tenderer at any stage of Bidding.
22. Prospective applicants are advised to note carefully the minimum qualification criteria before tendering the bids.
- 23. Conditional / Incomplete tender will not be accepted under any circumstances.**
- 24. The intending tenderers are required to quote the rate *online*. The rate should be inclusive of all components and taxes.**

25. Contractor shall have to comply with the provisions of (a) the contract labour (Regulation Abolition) Act. 1970 (b) Apprentice Act. 1961 and (c) minimum wages Act. 1948 and the notification (s) thereof or any other laws relating thereto and the rules made and order issued there under from time to time.
26. During scrutiny, if it comes to the notice of the tender inviting authority that the credential or any other paper found incorrect / manufactured / fabricated, that bidder would not be allowed to participate in the tender and that application will be rejected without any prejudice.
27. If there be any objection regarding prequalification of any Agency the same should be lodged on line to Executive Engineer II, New Town Kolkata Development Authority within 2 (*two*) days from the date of publication of list of qualified agencies and beyond the said time schedule no objection will be entertained
28. Before issuance of WORK ORDER, the Tender Inviting Authority may verify the credential and other documents of the lowest tenderer if found necessary. After verification if it is found that the documents submitted by the lowest tenderer is either manufactured or false in that case work order will not be issued in favour of the said Tenderer under any circumstances and his/their offer will be treated as cancelled.
29. If any discrepancy arises between two similar clauses on different notification, the clause superseding others will be solely as per the discretion of the Tender inviting authority
30. The successful Tendered whose tender is accepted shall make formal agreement in WBF 2911 (ii) along with bid documents in triplicate, within 7 (seven) days from the date of issue of work order by Executive Engineer II, New Town Kolkata Development Authority on payment of usual charges which is non-refundable under any circumstances and submit the same duly signed by him/them to this office. If the contractor fails to perform the formalities within the specified period the Tender is liable to be cancelled and the Earnest Money will be forfeited as per relevant clauses under memorandum of WBF 2911(ii).

31. **Qualification criteria:**

The tender inviting and Accepting Authority will determine the eligibility of each bidder. The bidders shall have to meet all the minimum criteria as stipulated in relevant clauses of this NleT.

32. The eligibility of a bidder will be ascertained on the basis of the document(s) submitted in support of the minimum criteria. If any document submitted by a bidder is either manufactured or false, in such **cases the eligibility of the bidder / tenderer will be rejected at any stage** without any prejudice to take any penal action against him/them as may be deemed fit by the Tender Accepting Authority.

AND

The agency must have the capacity to engage laborers as directed by EIC.

33. The agency should supply the materials as per confirming to IS mark and specification laid down in schedule and also to be taken approval from EIC / his representatives before utilize in work.

34. **No. price preference and other concession as per order no.**

1110F dated: 10/02/2006 will be allowed.

35. Agencies are required to give a work programme preferably in the form of a bar- chart and to get it approved by the EIC (Engineer-in-Charge) before commencement of work and if progress of work abruptly differs from such work programme, the undersigned may terminate the work order at any point of time and penal action as per Tender Terms and conditions will be imposed.
36. Unless otherwise stipulated, all the works are to be done as per general conditions and general specifications of the latest edition of 'PWD (W.B) schedule of Rates for Building, Roads, and Sanitary Plumbing' works for the working area.
37. In case of any inadvertent typographical mistake in the specific price schedule of rates, the same will be treated to be so corrected as to confirm with the prevailing relevant schedule of rates and/or technically sanctioned estimate.
38. Intending tenderer should note that he may have to work simultaneously with other contractors already entrusted with other work or with contractors to be entrusted with other work in future in the same site. The contractor will have to work in close co-operation and harmony with all the contractors engaged in the project. Any claim for idle labour, for any reason whatsoever, will not be entertained under any circumstances.
39. NKDA will not be held responsible for making payment against any anticipated profit and/or compensation for any losses or price escalation whatsoever for the works as stated in the annexure of this NIT. Rates should be quoted accordingly.
40. The address as furnished by the contractor shall be deemed as the postal address of this office. Any notice or instruction to be given to the contractor under the terms of contract shall be deemed to have been served if it has been delivered to his authorized agent (on the strength of authorization) or representative or sent by registered letter to his official address as furnished.
41. Arbitration clause of WBF 2911(ii) stands deleted.
42. New Town Kolkata Development Authority reserves the right to increase or decrease the quantum of work as stipulated in the schedule of work for which no change of rate will be allowed.
43. Participation in this tender deems that the applicant is fully agreeable to abide all terms and conditions as stated in this Notice Inviting e tender as well as WBF 2911(ii).
44. Mobilization advance, time / cost overrun and consequent cost escalation for any material, labour, etc. will not be allowed.
45. All materials are to be procured and supplied at site of work by the tendered /firm at his / their own cost from approved reputed dealer / manufacturer. Departmental materials will not be issued under any circumstances unless any such provision is made and accepted latter by both the parties. Department unless otherwise stated means New Town Kolkata Development Authority.
46. The offer shall remain valid for 180 days from the date of opening of the tender.
47. Brief Scope of work:

Execution of the following work as instructed by the EIC at the indicated location on Street 45 in block AD of Action area IA located about 440m from Major Arterial road, Street No. 1111 (Biswa Bangla Sarani):

- i) Survey of the site and preparation of working engineering drawing for the work.
- ii) Getting the working drawing vetted by the EIC
- iii) Surface Dressing of the ground including removing vegetation inequalities and disposal of the rubbish as directed by the EIC.
- iv) Earthwork for foundation and surface preparation.
- v) Termite treatment and moisture protection treatment for foundation and structure
- vi) RCC frame and slab casting for a two storied structure of given plan
- vii) Brickwork of 230 mm thickness
- viii) Construction of RCC underground reservoir of 3500 liter capacity for storing water from PHE supply and fitting of a moulded polyethylene Overhead Reservoir of 1000 liter with appropriate pump and associated arrangements.
- ix) Internal and external wall finishing and flooring as per specification
- x) Complete electrical wiring work and associated fittings.
- xi) Complete plumbing and sewer lines with connectivity with the nearest point of public supply and sewerage system
- xii) External and internal wall surface finishing and painting with specified material.
- xiii) Complete supply fitting and fixing of sanitary ware, electrical fittings and fixings and MS grills of approved make and specifications as per plan and direction of the EIC
- xiv) Supply, fitting and fixing Fire prevention equipment as per the guidelines of fire and emergency services in accordance with direction of the EIC
- xv) Supply fitting and fixing of aluminium partitions as per drawing and as directed by the EIC.
- xvi) Completion of the entire work as per specification and to the satisfaction of the EIC.

(For more details refer to the BOQ file at the appropriate link which is an integral part of this tender document)

48. Evaluation Method:

Evaluation of the bids will be made on the basis of submitted credentials the opinion of the tender inviting authority will be final on this matter.

49. Enclosure:

- i) Location plan
- ii) Proposed Design
- iii) Approved make list and technical specifications.

**Executive Engineer I
New Town Kolkata Development Authority**

Copy forwarded for information to:-

1. The Chief Executive Officer, New Town Kolkata Development Authority.
2. The Chief Engineer, New Town Kolkata Development Authority
3. The Chief Executive Officer, New Town Kolkata Green Smart City Corporation Limited
4. Administrative Officer I & II New Town Kolkata Development Authority
5. Chief Finance officer, NKGSCCL
6. Chief Technical Officer, NKGSCCL
7. Technical Officer, NKGSCCL
8. The Finance Officer, New Town Kolkata Development Authority
9. Executive Engineer-II, Executive Engineer III, Executive Engineer IV&ME New Town Kolkata Development Authority
10. The Estimator/ Sr. Accountant / Cashier, New Town Kolkata Development Authority.
11. Office Notice Board.
12. Official Website of New Town Kolkata Development Authority (www.nkdamar.org)

**Executive Engineer I
New Town Kolkata Development
Authority**

Location plan

The site for Proposed Day Care Centre is located along Street 45 (24 m ROW) in block AD of Action area IA located about 440m from Major Arterial road, Street No. 1111 (Biswa Bangla Sarani) . The area of proposed site is 330 Sqm (approx.)

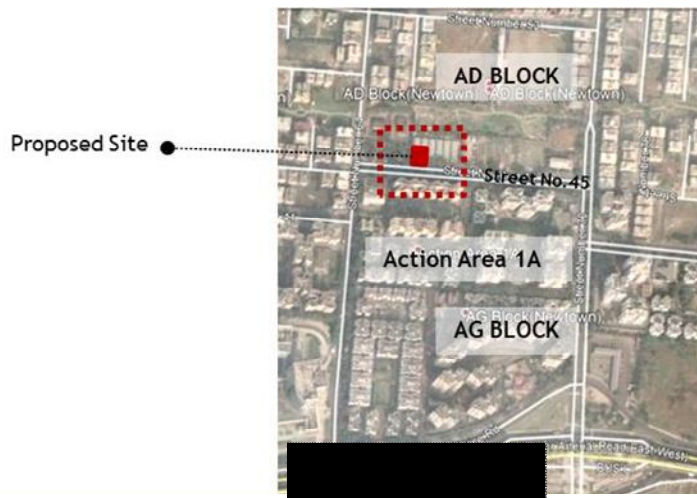


Proposed project site Location

N



Source: NKDA



Proposed
project
Site

Source:
NKDA

Proposed
Design

- This
Ground
+ first
floor
building
of floor
size
9.28mX
13.2m
and
total
built up
area

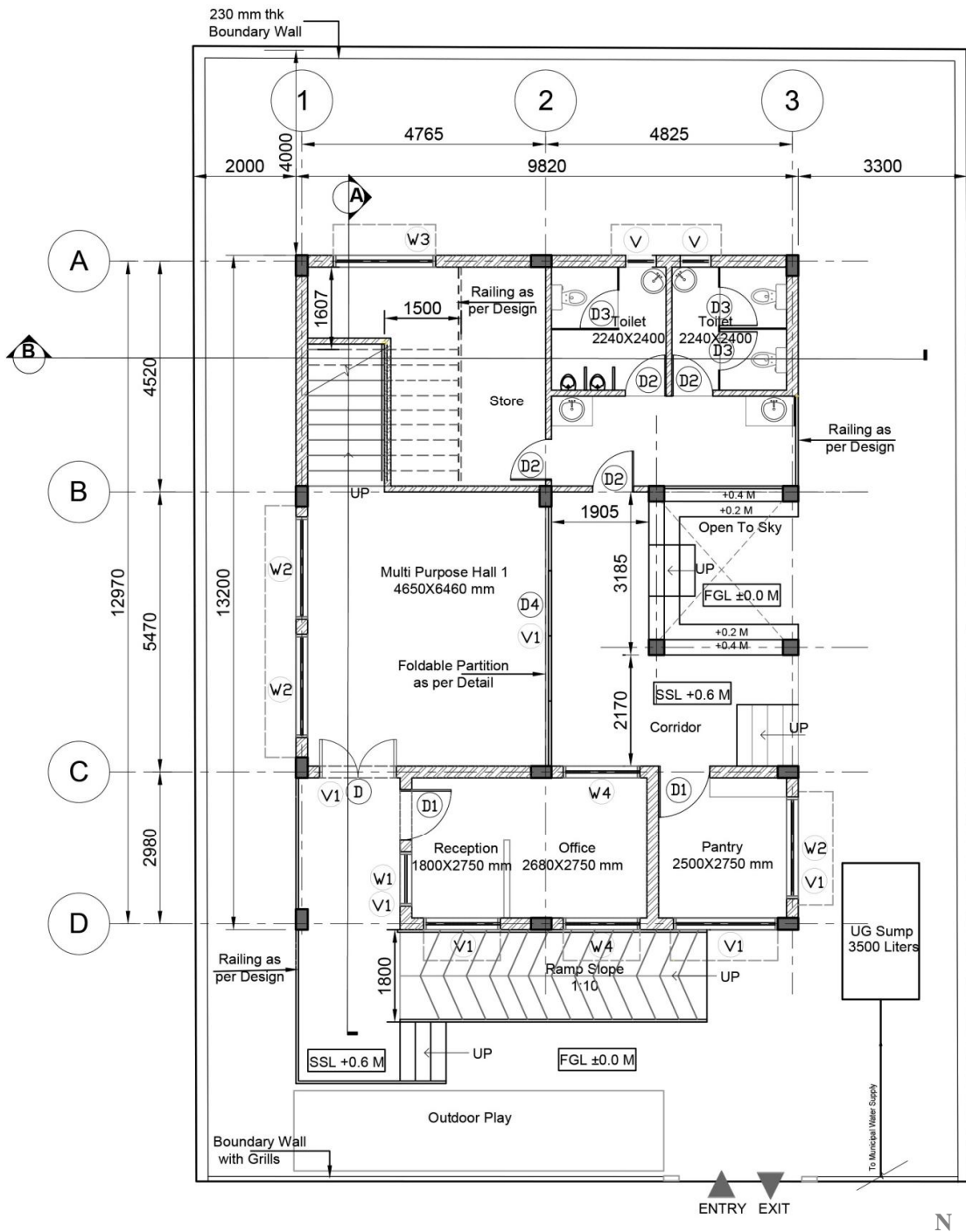
240 Sqm has capacity to accommodate approximately 70 kids and staff. The structure encloses following:

1. 2 Multi- Purpose halls (4.65mX6.46m): one on each floor internally connected by RCC staircase with railings.
 2. Office (4.5mX2.75m) at the entrance with reception (1.8mx2.75m)
 3. Pantry (2.5mX2.75m), located away from kids area with separate service entry.
 4. 3 Toilet (2.24mX2.4m): 2 for women with 4 WCs, (Cubicles of sizes 1.3mX1.2m each), 1 for men with 1 WC (Cubicle of sizes 1.3mX1.2m) hand wash and 2 Urinals. A separate wash area is also provided at first floor.
 5. A centrally located open to sky courtyard (2.92m x 2.7m) surrounded by semi open corridor.
- This RCC structure rests on a plinth 9.82mX13.2m and 0.6m height accessed by steps and a ramp.
 - MS grills have been provided for doors, vents ensuring cross ventilation and parapet.
 - Municipal water could be stored in RCC underground sump (3500 Litres capacity) of size 1.5x2.66 m and 1m depth. An Overhead Sintex tank (1000 Litres) is provided to maintain water supply in toilets and kitchen.
 - The sewerage and rain water pipes are connected to respective external municipal networks.



DRAWING DETAILS.

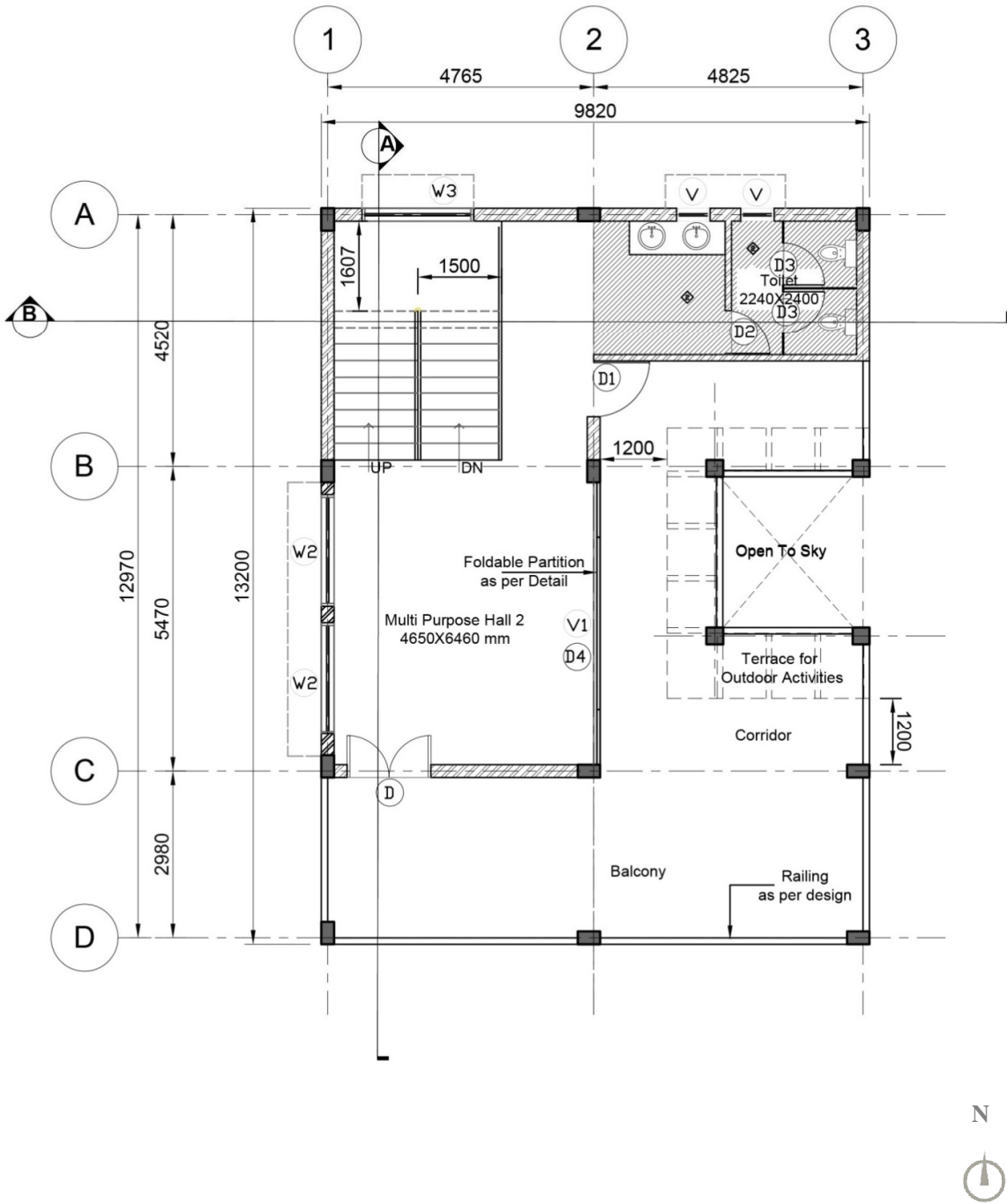
Plans



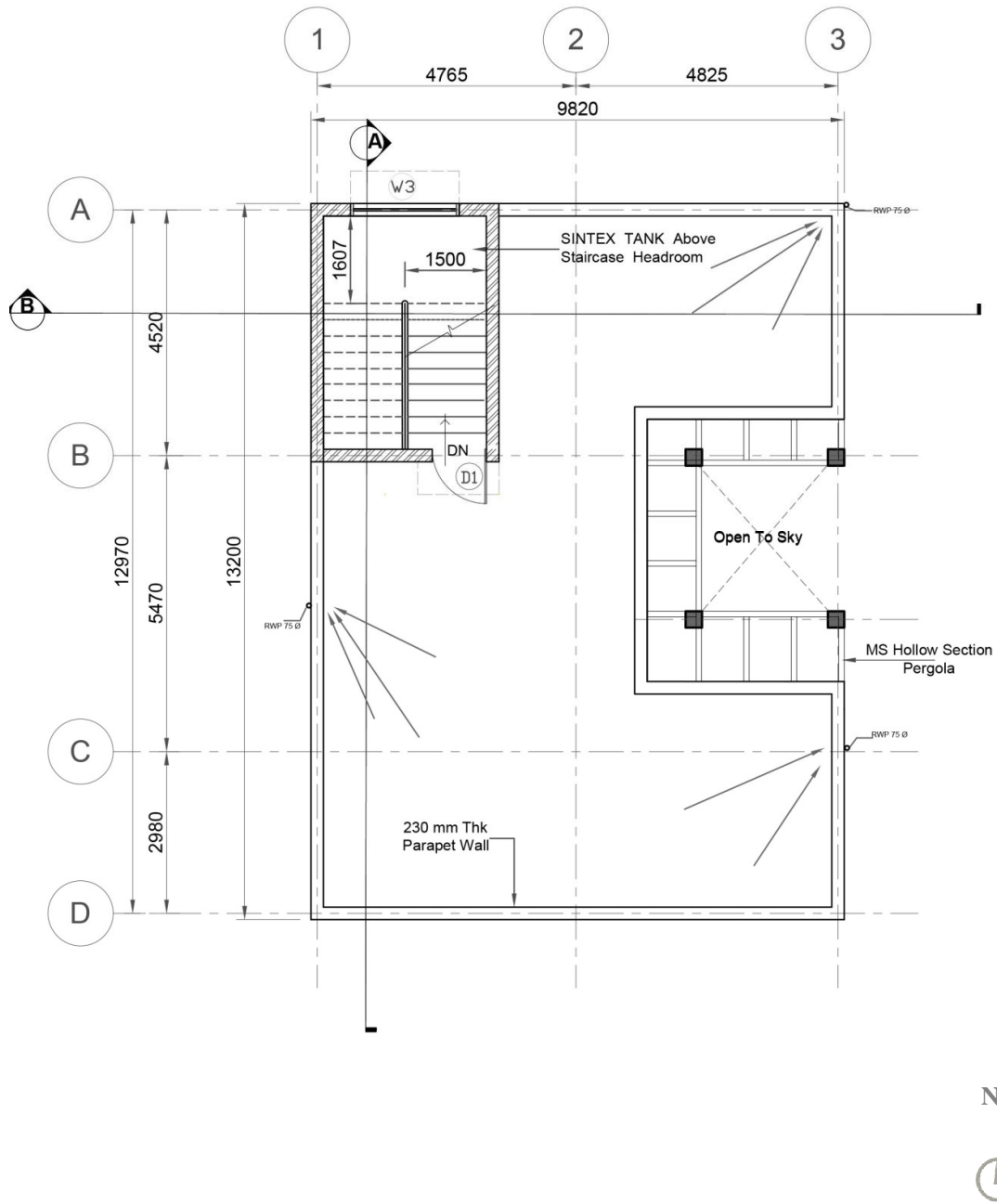
Proposed Ground Floor Plan



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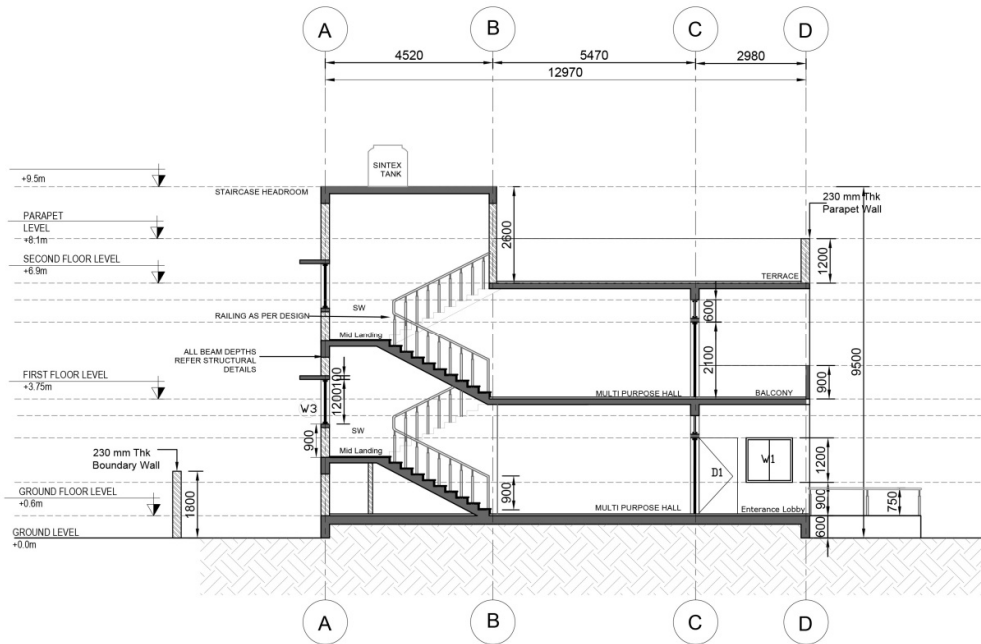


Proposed First Floor Plan

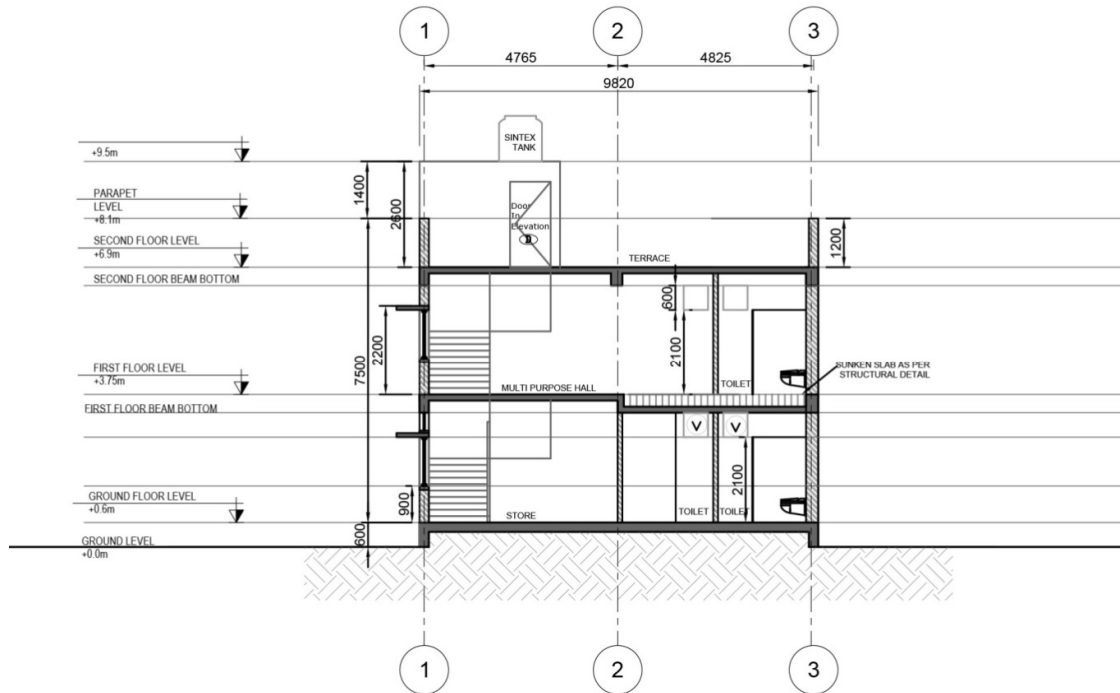


Proposed Terrace Floor Plan

Sections

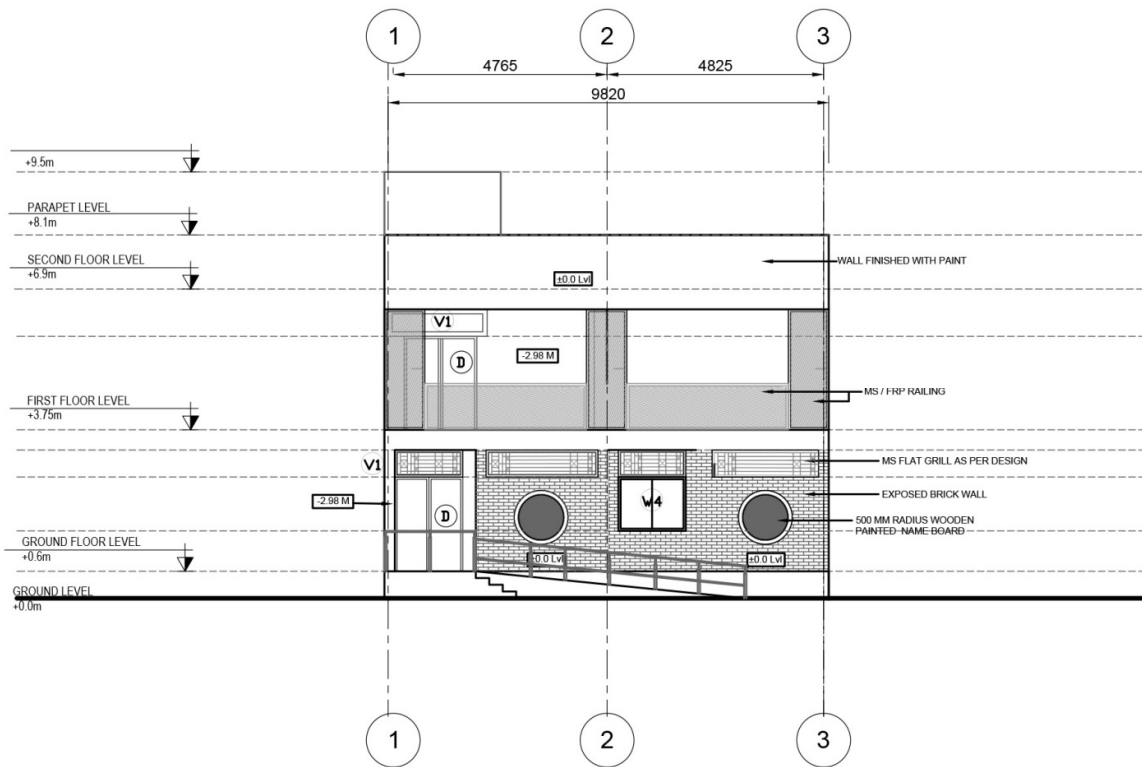


Proposed Section At AA

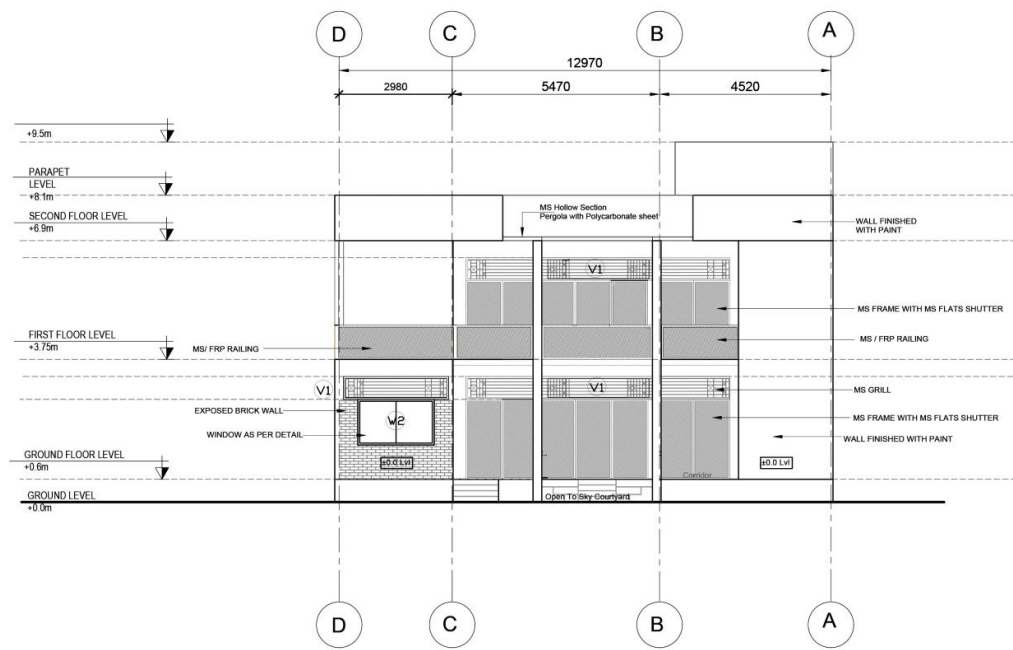


Proposed Section at BB

Elevations



Proposed South Elevation



Proposed East Elevation

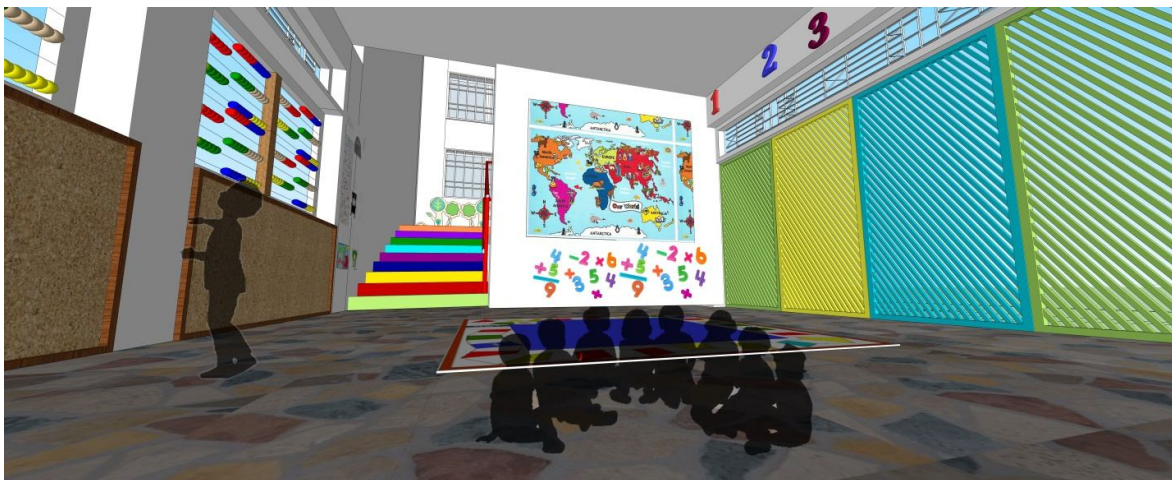
Views



Proposed Front View

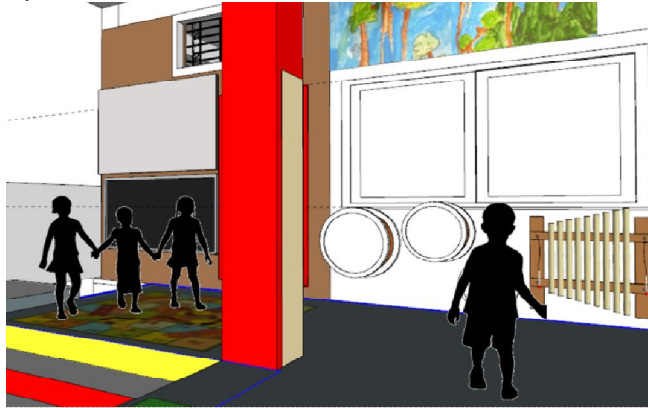


Figure 6-11: Proposed East View



Proposed Multi -Purpose hall View

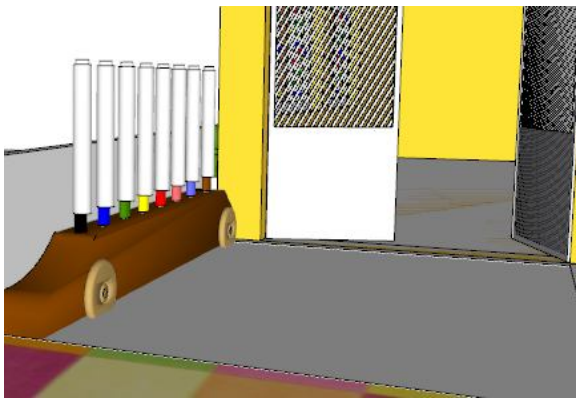
Special ELEMENTS



Sensory walls



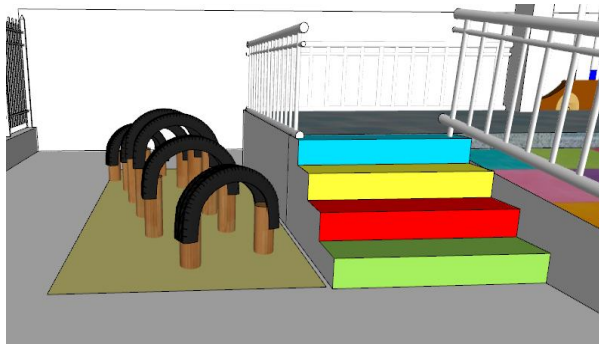
Flooring With game boards



Interactive Railing



Abacus as Grill



Outdoor Play area



Door angles

APPROVED MAKE LIST
(Please follow the applicable items for the relevant tender)

SI No.	Description of Item	Approved Make / Brand
	Civil works	
1	Reinforcement for concrete works	SAIL/TATA/RINL
2	Paint	Berger/ Asian Paints/ ICICI/ Nerolac
3	MS structural works	SAIL/TISCO/UTKARSH
4	Galvanized corrugated sheets	TATA/Esar/Jindal
5	Controlled cement concrete M25 Garde	
6	RMC M25 grade	Ultratech/LnT/FTC
7	Anti-termite chemical	Fostroc
8	Water proofing chemical /compound	Sika / Dr Fixit/ Fosroc
9	White cement	Ultratec/Birla/ACC
10	cement 53 grade	Ultratech/Ambuja /ACC
11	Concrete grass	NILITE Concrete / Pavers India/ NIMCO or Equivalent
12	Interlocking pavers /Concrete Kerb/RCC manhole covers	Pavestone/Calstone/GK Precast/ Advance precast/ S G Poly Concrete.
13	Outdoor vitrified Pavers	H&R Johnson/Pavit/Ultra Pavers
15	Poly carbonate sheet	Bare Galvalume / Danpalon / GWX or Equivalent
16	Stainless steel	SAIL/TATA/RINL
17	Bitumen product	IOCL/ HPCL/ Shell/ Shalimar Tar products
18	Aggregate, Stone chips, Sand and Road materials for Base and Sub-base	As per "SPECIFICATIONS FOR ROAD AND BRIDGE WORKS" 5th Revision April 2013, Issued by Ministry of Road Transport & Highway
19	Aluminum doors, windows & partition	Jindal/ Indian Aluminum Sections or Equivalent.
20	MS ornamental grill	As approved by EIC
21	MS structural steel	Tata/Jindal/RINL
22	Multi wall poly carbonate sheet	Tuflite/Gallina or equivalent
	Flooring	
23	Ceramic tiles	HR Johnson/Kajaria/welspun
24	Vitrified Tiles	HR Johnson/Kajaria/welspun
25	Glass mosaic tiles	HR Johnson/Kajaria/welspun
26	Tactile tiles	HR Johnson/Kajaria/welspun
27	Laminated wood flooring	HR Johnson/Kajaria/welspun
28	Italian marble stone	
	PHE / Water supply	
29	Galvanized iron pipes	TATA/ Jindal Hissar/ JSW or equivalent
30		Supreme/Prince/Garware/Finolex/

SI No.	Description of Item	Approved Make / Brand
	CPVC pipes	Astral/Kissan or Equivalent.
31	UPVC pipes	Supreme/ Prince/Garware/Finolex/ Astral/Kissan orEquivalent.
32	Sanitary fittings	Jaguar/ Parry ware/Hindware/Cera
33	Sanitary ware	Hindustan/Parryware/ Jaguar/Cera
	Interior works	
34	Plywood	Century/ Green / Globe
35	Veneer	Century/ Green / CityLam
36	Laminate	Century/ Green / CityLam
37	Glass	Modi/ ASAHI /Saint Gobain/ Hindustan
38	Fittings and accessories	Dorma/ Ozone/ Godrej
39	Outdoor furniture	Experio
40	Play equipment	Bodyline/Kompan/Experio
	SIGNAGE	
41	Photoluminescent Signages	Autoglo/Glo-Lite/Prolite
	Electrical	
42	Double door Vertical TPN MCB Distribution board-Enclosure(12way)	Legrand/Schneider/Crabtree/Seime ns/ABB/Havells
43	SP/FP MCB	Legrand/Schneider/Seimens/ABB/L&T /Havells
44	4CX16Sqmm Al. Ar. XLPE cable	Havells/Finolex/KEC/KEI
45	Exhaust fan with bird guard	CG/Havells/Almonard
46	Outdoor 4ft LED tube light,20W,230V	Philips/Bajaj/Wipro
47	9W 1'X1' LED SURFACE/RECESS MOUNTED LUMINAIRE,230V	Philips/Bajaj/Wipro
48	12W LED bathroom mirror light	Philips/Bajaj/Wipro
49	1200mm sweep Ceiling fan with its regulator	CG/Havells/Usha
50	GI pipe	TATA
51	Bulk head light fitting, 8watt CFL / 100 watts GLS lamp	Havells
	CCTV	
52	Supply, installation, testing and Commissioning of 24 channel upto 8 TB of HDD supported HDML in HD 1080 network	Server make to be Dell/ HP / Lenovo

SI No.	Description of Item	Approved Make / Brand
	video recorder CNS NTP server, synchronization, camera I/O and remote I/O solution, multiple platform mobile support	
53	Supply, installation, testing and Commissioning of bullet camera 50/60 FPS, 1920X1080 to 160X90 resolution to 2 MB counter, remote zoom, remote focus, supporting micro SD card	Make to be Bosch/ Honeywell/Hikvision/Dahua/ Axis /Pelco/ Tyco/Infinova /equivalent
54	Supply, installation, testing and Commissioning of DOME camera 25/30 FPS, 1920X1080 to 160X90 resolution to 2 MB counter, POE supporting micro SD card	Make to be Bosch/ Honeywell/ Hikvision/ Dahua/ Axis/Pelco/ Tyco/Infinova/ equivalent.
55	Supply, installation, testing and Commissioning of accessories of PO Eadapter/injector/ethernet/AxisT8120,15 W,Midspan, 1port	
56	Supply, installation, testing and Commissioning of 4TB surveillance HDD	Make to be Transcend/ Sony/ Seagate/ WD/WesternDigital / Toshiba
57	Supply, installation, testing and Commissioning of 16 port managed Gigabit switch	Make to be D Link/DigiLink/Netgear
58	Supply, installation, testing and Commissioning of 5 port unmanaged normal switch	Make to be D Link / DigiLink/Netgear
59	Supply, installation, testing and Commissioning of 60-inch LED screen	Make to be Delta/ Samsung/ LG / Sharp