

Draft of purchase order construction of " School Building at Rangwasa".

Client: M/S. Shakti Construction and developers Pvt. Ltd. Address: Rau, District Indore, M.P.
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Detailed Scope of work: Construction of "School Building and other related civil works" at Rangwasa.

(1) Detailed scope of work for construction of school building:

Excavation, back filling, surplus soil disposal, PCC work, reinforcement binding work, centering and shuttering work , staging work , RCC work, building foundation work for basement area.

Masonry work by AAC blocks, reinforcement binding, concrete pouring, centering and shuttering work, internal and external plaster, elevation work, parapet wall construction, stair tower construction, overhead water tank construction, toilet area, door window frame fixing, ms grill fixing and other related civil work for the entire building as per the architectural and engineering consultant drawings for the building.

Approximate roof slab areas as follows

Basement roof slab area = 10400 square feet

Ground floor roof slab area = 8245 square feet

First floor roof slab area = 10619 square feet

Second floor roof slab area = 11075 square feet

Third floor roof slab area = 10784 square feet

Fourth floor roof slab area = 10784 square feet

Terrace floor roof slab area = 2025 square feet

Approximate total roof slab area of all floors = 63932 square feet.

(2) Compound wall with guard room construction of approx. 763 running feet with approx =8'0" height from front side main road center top 0.00 lvl.

(3) One nos. Septic tank and one nos. Soak pit.

(4) One nos. Sump pit approximate 43 KL capacity.

(5) One nos. Water tank approximate 86 KL

(6) Storm water drain

RMC will be provided by client (with and without pump as per requirement) for the quantities more than 14 cum. For lesser quantities than 14 cum. contractor has to do cast in situ concrete at site at his own cost and resources.

Only vacant space for labour hutments will be provided by client. Construction of temporary rooms, toilets, potable water and sanitation arrangements etc. Will be done by contractor at his own cost and resources.

Following works are not included in the scope of work of civil contractor:

- Any type of sanitation and plumbing work
- Any type of water proofing work

- Any type of building electrification work
- Any type of fabrication work
- Any type of painting work
- Any type of flooring, tiling work
- Any type of MEP, HVAC work
- Any type of PT slab work

Time allotted for completion: Following is the detailed time period.

- The time period for the complete construction in all respect as per detailed scope of work, final checking and handing over the site is **10 months (Ten months) including rainy season** from the issuing date of purchase order.

Nature of tender: The tender is purely labour rate tender. The measurements for billing will be done on the basis of actual roof slab area constructed at site as per the drawings.

Areas of open cut, ducts etc will not be deducted if it is less than 100 square feet in plan area, If the area of open cut/duct is more than 100 square feet in plan area then complete open area will be deducted from the bill.

All construction raw materials will be provided by client free of cost at site at one point only. Binding wire, curing pipes, motors/pumps for curing, nails, all plants and machineries, technical staff, skilled and unskilled labours, shuttering materials, lightning provisions for night working, safety equipments, security of contractor's tools and plants, machineries will be in the scope of contractor.

Security Deposit: Contractor has to submit security deposit in the form of BANK GURRANTEE amount equals to the 5 % of basic value of purchase order (without GST) amount for the period of 02 years.

5% of basic invoice amount will be deducted from each Running Account bills and hold up to the project completion. This amount will be released to the contractor at the time of project handing over with final bill.

However, BANK GURRANTEE of 5% amount will be released after one year from the date of project completion and handing over.

It is the responsibility of the contractor to collect the work completion certificate timely from the client. Copy of work completion certificate with final bill is mandatory without this final bill will not be admitted.

All construction raw material requirements will be given by contractor on email at least 20 working days earlier before commencement of work.

Compensation/Penalty for delay: Since the work to be completed on top priority and time is the essence of work therefore you have to complete the work in all respect within stipulated time period.

Before starting the work contractor has to submit detailed bar chart of the work which will be approved by the client. Amount of compensation/penalty for time delay is **2% (basic invoice amount without taxes of that related mile stone) per week from the approved date of mile stone in the approved project schedule bar chart from the client.**

Reward for earlier completion of work: If the contractor completed the work before the approved date of mile stone then client will give reward of 2% (basic invoice amount without taxes of that related mile stone) per week earlier from the approved date of mile stone in the approved project schedule bar chart from the client.

Compensation/penalty for inferior quality: Contractor will be responsible for maintaining quality control at site at his own resources and his own cost. However, if inferior quality of work is found then contractors has to dismantled and reconstruct the same at his own cost.

Billing procedure: Billing will be done at the mutually agreed stages of civil work completed at the site.

Payment conditions for School Building

Sr. Nos.	Particulars of construction stages	Percentage of amount for payments
1	On completion of RCC raft slab casting of basement	
2	On completion of RCC roof slab casting of basement	
3	On completion of RCC casting of ground floor roof slab	
4	On completion of casting of 1 st floor roof slab	
5	On completion of ground floor brick work	
6	On completion of RCC roof slab casting of 2 nd floor	
5	On completion of 1 st floor brick work	
6	On completion of RCC slab casting of 3 rd floor	
7	On completion of 1 st floor brick work	
8	On completion of RCC slab casting of 4 rd floor	
9	On completion of brick work at 3 rd floor	
10	On completion of RCC slab casting of stair case tower and construction of overhead water tanks.	
11	On completion of brick work at 4 rd floor	
12	On completion of parapet walls of entire building	
13	On completion of inner plaster of basement area	
14	On completion of inner plaster of ground floor area	
15	On completion of inner plaster of first floor area	
16	On completion of inner plaster of second floor area	
17	On completion of inner plaster of third floor area	
18	On completion of inner plaster of fourth floor area	
19	On completion of inner plaster of staircase tower area	
20	On completion of complete building external plaster, elevation works	
21	At the time of handing over of school building	

Registration and Insurance of labours: Registration of labours should be got done in accordance with labour Abolition Act 1970. PF,ESIC of labour, as applicable, should be furnished at contractors cost. Workmen's Compensation policy is mandatory.

Cement, Steel and other client supplied material: The contractor will be responsible for proper storage, security and use of client supplied material. No extra payment will be made by client for storage and security of material. Contractor has to provide material reconciliation statement with each and every running bill.

Bill submission and technical securitizing process – Contractor will submit bills in soft and hard copies in approved format by client with all necessary QA/QC documents, site photographs of work done, Principal Architect and structural consultant work satisfaction certificate, joint measurement records and reconciliation statements of client supplied material for technical checking.

Addition and deleting of items from BOQ: Only client has to right for addition and deleting of items from BOQ.

Hindrance Register: It is the duty of the contractor to maintain hindrance register at site from the 1st day of the commencement of work up to the handing over of the project. Contractor is responsible to take approval from the client if any hindrance occurs. This register should be submitted at the time of R.A. bills.

Water and electricity: One point of potable water and one-point electricity will be provided by client for construction use only. Furthermore arrangements for water and electricity will be done by contractor at his own cost and resources.

Return of client supplied material: It is the duty and responsibility of the contractor to return remaining client supplied material with reconciliation statement for the same. The contractor has to stack the material in proper manner and place as instructed by client.

Wastage parameters for client supplied material: Cement, Reinforcement bars and structural steel will be provided by client free of cost at site at only one point, Contractor will be responsible and all the labour and machineries charges will be paid by contractor for further distribution of material for his working. Contractor will provide Reconciliation statement with bill. The tolerance limit for cement is 1%, reinforcement bars 1.25%. If the material is over consumed, then penalty of 1.25 time of cost of the over consumed material will be laid. It is the duty of contractor to handover empty cement bags in good condition and cut pieces of reinforcement bars and other structural steel material to the client before submission of final bill.

Safety and good behaviour at site: The contractor is solely and fully responsible to provide PPE's and maintaining safety of workers and materials at site.

The contractor's staff and other persons working at site should behave in proper manner with client representative's other persons working and site.

Defect Liability Period: The defect liability period will be of one year from the date of the completion certificate issued by client.

Non Performance of Contractor: If the contractor fails to perform the work with his own reasons then **earnest money and security deposit amount will be confiscated**. Also client will be free to do the remaining pending works by another contractor. The expenses of carried out pending works from another contractor will be charged to the non performing principal contractor.

Rates and price escalation: No escalation of rates and prices for material, labours, tools and plants, petrol and diesel will be allowed in any form. The rates and prices are firm for complete tenure of the project.

Quality Control & Quality Assurance: Contractor will be fully and solely responsible for quality control of the work done at site. Proper documentation of quality data should be done in duplicate copy on daily basis and should be approved from the client. Contractor has to set a mini lab at site which should be equipped with cube testing machine, sieve analysis of coarse and fine aggregates, silt content of sand etc. Client will provide concrete design mix reports from

approved labs at his own cost. All work will be checked with reference to the latest revision of relevant Indian Standard Code of Practice.

Schedule of Procedures: Contractor has to submit SOP's of the all relevant construction activities of the project before starting the work for client approval. After client approval client can start the work.

Subletting of work: Subletting of work in the part or whole is strictly not allowed without the client permission.

Mode of Measurements: Latest Indian Standard code will be followed for measurement of construction activities.

Site meetings and reporting system: Contractor has to come in weekly site meetings for smooth work progress. Contractor has to provide daily work report to client. Format will be provided by client.

Mobilization and Demobilization period: One-week time for mobilization will be given to contractor. After work completion contractor will demobilize his workers, tools & plants from the site within one week. At the time of demobilization, the space used by labour and contractor should be levelled up and clean.

Arbitration: For any type of arbitration contractor will be bounded to follow govt. rules and regulations.

Safety and other legal compliance: Contractor will be fully and solely responsible for workman safety and other legal compliance as per client policies and latest government regulations.

Curing and protection of work done: Contractor will be fully responsible for curing of all civil works for 28 days. The charges for this will be made by contractor.

Contractor will be fully responsible for protection of work done up to the handing over of building from rains and other natural hazards. No extra payment will be made for this.

List of documents required at the time of tender submission.

- List of projects completed with client details in the last 03 years.
- Details of tools & plants, machineries, technical and other staff, skilled and unskilled labours etc.
- List of current projects in hand.

Sr.N os.	Particulars of works	Unit of measurement	Approximate roof slab area in square feet	Basic rate In rupees	Any Taxes	Total amount with GST In rupees	Total amount in words
1	Construction of School building						
1A	Only labour rates for construction of basement floor	Per square feet	10400				
1B	Only labour rates for construction of ground floor	Per square feet	8245				
1C	Only labour rates for construction of first floor	Per square feet	10619				
1D	Only labour rates for construction of second floor	Per square feet	11075				
1E	Only labour rates for construction of third floor	Per square feet	10784				
1F	Only labour rates for construction of fourth floor	Per square feet	10784				
1G	Only labour rates for construction of staircase towers	Per square feet	2025				
				Total Amount			
Sr.N os.	Particulars of works	Unit of measurement	Approximate length of compound wall	Basic rate In rupees	Any taxes	Total amount with GST In rupees	Total amount in words
2	Only labour rate construction of compound wall with guard room	Per running feet	763				
				Total amount			

Sr.N os.	Particulars of works	Unit of measurement	Quantity	Basic rate In rupees	GST @18%	Total amount with GST In rupees	Total amount in words
3	Only labour rate for construction Septik tank	Each nos.	01				
4	Only labour rate for construction of Soak Pit	Each nos.	01				
5	Only labour rate for construction of Sump Pit	43 KL	01				
6	Only labour rate for construction of underground water tank	86 KL	01				
7	Only labour rate for construction of Storm water drain	running feet	763				
				Total Amount			

