

## NIT

Addl Superintending Engineer, Township Divn, BBMB, Sundernagar Distt Mandi (HP) invites items rate sealed tender in prescribed form for carrying out the following work on through rates, on work order basis, from registered contractors/Co-operative Labour and Construction Societies of appropriate class up to **3.00 PM on 21.6.2019** and will be opened on the same day at 3.30 PM, in the office of undersigned in the presence of tenderers or their authorized representative, if any, who may wish to be present. The tender forms can be obtained from the office of the undersigned, during office hours, latest by **4.00 P.M upto 20.6.2019 at a cost of Rs.1000/-+ GST @ 18%**(Non refundable) each on the production of documents as mentioned in condition No.4 of DNIT.

In case of holiday on the opening date, the tenders will be opened on next working day as per same schedule of timings. It should be ensured that N.I.T No. should be quoted on the cover. Earnest money, cost of tender form and tender documents should be placed in separate sealed envelopes, placed in an over all sealed cover superscripted "**Tender for N.I.T No.4/19-20**".The contents of each envelop should be indicated on the top of the cover.

<b>N.I.T. No.</b>	<b>Name of Work</b>	<b>Approx Cost</b>	<b>Earnest Money</b>	<b>Time Period</b>	<b>Date of Opening of Tender</b>
<b>4/2019-20</b>	<b>Renovation of primary wing building of BSL Sr. Secondary School at BSL (P) Sundernagar.</b>	Rs: 9.97Lac	Rs: 20000/-	7 Months	<b>21.6.2019</b>

1. Detailed NIT/ Design /Specifications and Term and conditions can be seen in the office of Undersigned on any working day during working hours.
2. **Earnest money shall be in shape of Demand Draft of any scheduled Bank drawn in favour Of Sr. Accounts Officer, B.B.M.B., Sundernagar and payable at Sundernagar.**
3. The Societies will be considered at par with the Contactor in respect of earnest money to be deposited.
- 4.i) Tender form shall only be issued on the presentation of following documents alongwith the application for tender form.
  - ii) Attested photo copy of PAN/GST.
  - iii) Attested copy of registration as contractor of appropriate class.
  - iv) The contractor belonging to HP State is required to have registration of GST with HP Govt and has to produce attested copy of registration.
  - v) **Proof of experience and capacity of handling similar work of such magnitude (Attach original/ attested copy of Performance certificate issued by the concerned Engineer-in-charge.)**
  - vi) Affidavit to the effect that (i) none of the Contractors relative is working in BBMB. (ii) That contractor has never been black listed.
  - vii) **Rates are including GST and the same will be deposited by the contractor at his own level.**

Addl Superintending Engineer,  
Township division, BBMB,  
Sundernagar Township,  
Distt. Mandi. (HP )Pin - 175019  
Fax No. 01907-262371)  
( Telephone No. 01907-262374)

# TENDER FORM

**N. I. T. No. 4 /2019-20**

Time & Date of opening of tender: 3:30 PM. on / /2019

Tender form issued.

Tender Form No. \_\_\_\_\_

Date. \_\_\_\_\_

Cost of Tender Form (Non-refundable) : Rs. 1000/- + GST @18%= 1180.00

Earnest Money : Rs.20000 /- ( Rs. Twenty thousand only)

Tender Form issued to:- \_\_\_\_\_

Earnest Money: Bank Draft No. \_\_\_\_\_ Dated \_\_\_\_\_

for Rs. \_\_\_\_\_ (Rupees. \_\_\_\_\_)

**Name of Work: Renovation of primary wing building of BSL Sr. Secondary School at BSL (P) Sundernagar.**

**Time Limit : 7 Months.**

<b>SR. NO.</b>	<b>DESCRIPTION OF ITEM</b>	<b>Unit</b>	<b>QTY.</b>	<b>RATE (IN WORDS)</b>	
1	Dismantling 8''/4'' H.B masonry in 1:6 cement mortar.	Cum	34.76		
2	8'' thick H.B Masonry in 1:5 cement mortar in foundation and plinth.	Cum	26.72		
3	Centring and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, shelves etc.	Sqm	26.46		
4	Cold twisted deformed (Ribbed/ Tor Steel Bar) Bars (Fe 550 grade as per IS 1786-2008), for R.C.C works, where not including in the complete rate of RCC including bending and placing in position complete.	Qtl.	2.12		
5	Dismantling concrete or precast concrete. (c) Cement concrete plain 1:3:6.	Cum	32.78		
6	Cement concrete 1:5:10 with 40 mm gauge stone ballast using concrete mixer volumetric types.	Cum	16.39		
7	Kota stone tile flooring 20mm to 30 mm thick over 12.5mm thick base of cement mortar 1:3 (1 cement, 3 Sand) laid and jointed with neat cement slurry, mixed with pigment to match the shade of stone including rubbing and polishing.	Sqm	291.56		
8	Kota stone tiles 20mm thick in skirting risers of steps, dado walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone, including rubbing and polishing.	Sqm	36.75		
9	Anti-skid floor tiles 10mm thick in flooring skirting and dado in 12.5mm thick cement plaster 1:3 in base and jointed with white cement slurry in joints including corners angles and beading.	Sqm	14.00		
10	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622(thickness to be specified	Sqm	27.60		

	by the manufacture of approved make in all colours, shades except burgundy, bottle green, black of size 200 x 300 mm as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:4 (1 cement: 4 fine sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.				
11	Providing & fixing 30mm thick Factory Made solid Panel PVC Door shutter (Panel thickness 10mm) Consisting of frame made out of M.S tubes of 19 gauge thickness and size of 19mm x 19mm for stiles & 15mm x 15mm for top & bottom rails. M.S frame shall have a coat of steel primers of approved make & manufacture. M.S frame shall be covered with 5mm thick heat moulded PVC 'C' Channel of size 30 x 50mm forming stiles, and 5mm thick, 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panneling of 5mm thick PVC sheet to be fitted in the M.S Frame welded/Sealed to the stiles & Rails with 30mm wide x 5mm thick PVC sheet beading on either side and joined together with solvent cement adhesive. an additional 5mm thick PVC strips of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent cement adhesive etc. complete as per manufacturer's specification, conforming to test criteria specified in IS:4020-1998, Drawings and to the entire satisfaction of engineer-in-charge.	Sqm	3.15		
12	Scraping a) White wash and colour wash.	Sqm	690.96		
13	12.5 mm thick cement plaster 1:4.	Sqm	738.16		
14	Distempering with Acrylic washable oil bound distemper (of approved manufacture) two coats over one priming coat to give an even shade.	Sqm	823.89		
15	Painting two coats with synthetic enamel paints in all shades on old wood work or metallic or plastered or concrete surface to give an even shade including rubbing down old paint. a) With special quality paint.	Sqm	213.84		
16	Structural steel work in angles, tees and flats, riveted or welded including cutting fixing all gusset plates, bolts, nuts, rivets, welding rod, etc. with hoisting and erecting in position :- (a) For roof trusses, well curbs, plates and trussed girders, etc. of any span for buildings and bridges up to 15 m span.	Qtl.	4.26		
17	Providing and fixing 4 mm thick multipurpose cement board conforming to IS :14862:2000 for false with nuts & bolts of size 20x3 mm for anchoring channels in position.	Sqm	54.05		
18	Corrugated Pre-coated G.I. Sheet roofing 0.60 mm thick fixed with galvanized iron bolts and PVC washers complete excluding the cost of purling rafters and trusses.	Sqm	18.00		
19	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate z sections and other sections conforming to Is:733 and IS : 1285 of Jindal, Hindalco, Mahavir or equivalent make approved by Engineer in Charge , fixed with rawl plugs	Kg.	80.63		

	and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC Plug/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-In- Charge. (Glazing and paneling to be paid for separately) : a) For fixed portion and chaukhats.				
20	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate z sections and other sections conforming to Is:733 and IS : 1285 of Jindal, Hindalco, Mahavir or equivalent make approved by Engineer in Charge , fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC Plug/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-In- Charge. (Glazing and paneling to be paid for separately) : (b) For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and labour for fixing of fittings wherever required including the cost of PVC Plug / neoprene gasket required.	Kg.	13.00		
21	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC Plug/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item) (i) Float glass panes of 5.5 mm thickness.	Sqm	10.00		
22	Providing and fixing aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete : (b) 250mm x 16mm.	No.	2		
23	Cement Concrete 1:2:4 with stone ballast or shingle. Using concrete mixture volumetric type.	Cum	2.91		
	<b>Electrical Items</b>				
24	<b>SURFACE CONDUIT PIPE WIRING SYSTEM WITH MODULAR SWITCHES:</b>				
	Wiring in PVC insulated copper conductor single core FRLS cable (ISI marked), 1100volts grade to be laid in heavy gauge welded conduit pipe 20 mm/25 mm dia (1.6mm thick) ISI Marked installed on surface etc., complete with uPVC boxes (on surface) required for suitable number of modules, for having electronic fan regulators (two module), bell push, electronic buzzer, 3pin 6Amp., 3pin 16/20 Amp. Sockets and 6 Amp./16/20Amp. Swithces etc., and covered with Frame Plat etc., & including the cost of required number of modular switches/sockets, step type electronic fan regulator 100 watts, PVC connector (For				

	Fan Box and Electronic Buzzer), PVC Bush, Steel Hooks, Circular Inspection Box (Surface Type) conduit pipe & copper wire and other petty material etc. including the cost of painting as required:-				
(i)	Wiring fan point without fan box in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade with step type electronic fan regulator 100watts (two module).	No.	16		
(ii)	Wiring light point in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade.	No.	32		
(iv)	Wiring 3 pin 6 Amp. wall socket (Shuttered) point in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete with bonding to existing earth with PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1 sq. mm, 1100volts grade.	No.	14		
(vi)	Wiring 3 pin 16/20 amp. power plug control (shuttered) and switch.	No.	10		
25	Providing & fixing of Exhaust fan 300mm sweep confirming to ISI specifications and make as approved by engineer incharge etc complete	No.	2		
26	<b>PVC INSULATED SINGLE CORE FRLS COPPER CONDUCTOR CABLE:</b>				
	Supply and erection of PVC insulated single core FRLS copper conductor cable ISI marked left bare in pipe or casing of suitable size excluding the cost of supply and erection of pipe or casing.				
	(iii)PVC insulated copper conductor single core FRLS cable (ISI marked) overall 2.5 sq.mm, 1100volts grade	Mtr.	250.00		
	(v)PVC insulated copper conductor single core FRLS cable (ISI marked) overall 6 sq.mm, 1100volts grade	Mtr.	60.00		
27	<b>MINIATURE CIRCUIT BREAKERS/ RCBO's/ RCCB's:</b>				
	Supply and erection of Miniature Circuit Breakers/ RCBO's/ RCCB's in the existing MCB distribution board as per PWD General Specifications 2010 including connections with suitable size of thimbles/lugs				
	GROUP-A: (Siemens (Beta Guard), Legrand (Lexic) & Schneider (Neo Break), L&T (Hager)				
	(i) Miniature circuit breaker single pole 0.5 to 4amp.(Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	No.	4		
	(ii) Miniature circuit breaker single pole 6 to 32amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	No.	4		
	<b>GROUP-B: (Havell's, HPL, ABB, Indo Asian &amp; other brands approved by PWD)</b>				
	(xx) Miniature circuit breaker single pole 50, 63amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	No.	4		
28	Providing & fixing rod huorspent 2x36 walt box type with electronic ballast	No.	32		
29	Providing & fixing celeing with ISI mark 1400 mm sweep with step type electronic regulator 100 w	No.	16		

Terms and Conditions :-

1. The work will be got done against work order on through rates.
2. Other terms and conditions are as per Annexure I & II.

I, \_\_\_\_\_, have read all terms and conditions of the above said work and I am willing to execute the work.

Signature of Contractor \_\_\_\_\_  
Address: \_\_\_\_\_

## TERM & CONDITIONS

1. The reputed financially sound and eligible contractors dully registered with the State/Central PWD Railways MES and other such public sectors Enterprises, who have the experience and capacity of handling the work of such magnitude need only to give tender dully supported with the works handled by them to fulfil pre-condition of issue of Tender documents.
2. The labour and Co-operative (L&C) Societies must also produce a certificate duly numbered and signed by the registrar co- operative Society to show that:
  - i) The society is in existence and holds good reputation and there is no complaint against it.
  - ii) The society has financial capacity for execution of the work.
  - iii) The Society should produce list of works executed by them in BBMB State/Central, PWD, Railways, MES and other such public sector Enterprises/Autonomous bodies and a certificate from the concerned office regarding the satisfactory performance from Engineer-in Charge concerned and fulfill the pre condition of issue of Tender document.
3. The Tender documents can be had/downloaded **upto 16.00 hrs: on 20.6.2019** Date from the office of /website at the cost of Rs. (1000/-) + **ST** @18% (non Refundable) (in the shape of Demand Draft) against written request alongwith the following document:-
  - i) Latest Income Tax Return /PAN Copy /GST No.
  - ii) Partnership Deed or Registration certification of the firm or company as the case may be.
  - iii) Copy of valid enlistment of contractor in the respective class/amount from State/Central, PWD, Railways, MES and other such public sector Enterprises, Autonomous bodies etc. for civil works.
  - iv) Power of Attorney as required under rule for joint venture.
  - v) List of works executed with cost.
  - vi) The contractor /L&C society should not have been black listed by any State Govt. Department /Central Government Department, MES, Railways, PSEs etc.
  - vii) Service Tax /GST registration, if applicable.
  - viii) Allotted EPF CODE Number from Employee Provident Fund Commissioner, and latest copy of Challan of deposit of EPF of the Employees, if applicable.
4. The earnest money amounting to **Rs.20000/-** only in the shape of Bank guarantee/Bank draft drawn on any scheduled bank payable at **Sundernagar** in favor of **Sr. Accounts Officer, BBMB, Sundernagar** must be attached /deposited with tender. The tender without earnest money will not be considered. The earnest money in any other form will not be accepted.
5. The earnest money shall be returned to the unsuccessful bidder after approval of the Tender.
6. Co.-Operative Societies shall be considered at par with other contractors for the purpose of depositing earnest money etc.
7. Conditional Tenders or tender received late or tenders submitted by e-mail /through fax or incomplete tenders will be rejected out rightly without assigning any reason.

- 8 Detailed NIT/Design/Quantities/Specification/any other information can be seen in the office of **Addl Superintending Engineer, Township Division, BBMB, Sundernagar** on any working day during working hours.
9. Acceptance of tender is subject to the approval of the competent authority and BBMB also reserve the right to reject any or all of the tenders received without the assignment of any reason.
- 10 The tender/ quotation/rates quoted for the work shall remain valid for a period of 120 days from the date of opening of the tender.
11. The earnest money furnished by the successful bidder, on whom the order is placed, shall be converted into security deposit as a guarantee for faithful and satisfactory execution of the contract. Security deposits not claimed within three years from the date of the completion of contract shall be treated as “Lapsed Deposit” and no claim for a refund thereof shall be entertained from the contractor except under very special circumstances and for good and valid reasons.
12. The earnest money/security deposit taken from the firms/tenderer shall be forfeited under the following circumstances.
  - a If the tenderer withdraws his tender at any stage during the currency of his validity period, shall earnest money stand forfeited in full.
  - b. If the acceptance of tender has been issued but the contractor refuse to comply with it, the earnest money deposited by him shall be forfeited in full, irrespective of the fact whether the BBMB sustains any loss on account of his default or not. This forfeiture shall be without prejudice to the right of the BBMB to claim any other damage as admissible under the law as well as to take such executive action against the contractor as blacklisting etc.
  - c. Where the tender has been accepted but the contractor stops the work after partially fulfilling the work order, the security deposit shall be retained and adjusted against any loss that may be caused to BBMB through work being got completed from alternative source at the contractor risk and cost and or any other damage recoverable from the contractor under the term of work order.
  - d. In the event of a breach of work order in any manner, the security deposit shall be forfeited and adjusted against the claim of the BBMB on the contractor for any damage or for any loss sustained by the BBMB on account of such breach.
  - e. In the event of non compliance of removal of defects within defect liability period.
13. The work shall be completed within **Seven months** .However under any unavoidable circumstances necessary permission to extend the period shall have to be specifically obtained by the executing agency from the competent authority i.e. tender approving authority of BBMB.
14. The rates given in the schedule of rates are for finished work inclusive of lead, lift and octroi charges, Sales Tax and other local Taxes, entry tax etc. Service Tax, if applicable shall be reimbursed to contractor on production of actual payment receipt.**(Not Applicable)**
- 15 No claim on account of fluctuation in prices due to war or any other cause or act of god or disturbances/Bunds/Strikes will be considered. Similarly the department will not be responsible for any loss/damages to the material or structure due to the above reasons . No compensation will be paid for the same.
16. For CSR item percentage (%) above or below the Zonal Premium should be quoted for non schedule item – Items rates should be quoted by the contractor contained in the list attached with tender form. Rates should be quoted strictly in metric units. Any other unforeseen/non schedule item should be executed at site until the analysis of rates for such item is approved by the competent authority. Any other item not appearing in the detailed NIT but covered under the Punjab CSR -2010 will be paid as per rates given in Punjab CSR +

Sanctioned Zonal premium as applicable on the date of opening of tender+ tendered premium/abatement quoted by the agency.

- 17 The percentage tendered premium/abatement shall be added to/sub traced-from zonal ceiling premium only ,irrespective of the manner the contractor quote his rates, whether with or without the word "Z.P." The percentage so arrived at shall be applicable to the basic rates printed in the Punjab CSR.
- 18 Before tendering, the contractor is advised in his own interest to visit the site and acquaint himself with the site condition .Later on no claim will be entertained on any account whatsoever.
- 19 The Competent Authority reserve the right to split/allot part work to any willing contractor /Society at the general approved rates taking into account the capacity/capability of the contractor /society. Even after allotment of work ,if it is found that capacity of the contractor is not adequate and the agency fails to gear up the progress after repeated instructions of the department, the competent authority reserve the right to cancel the work as a whole or to take away any item of work or any part thereof at any stage during the execution of work, currency of the work order and re-allot it to another agency with due notice to the contractor without liability of any compensation.
- 20 The quantities as given in the estimate/tender form are approximate and only for the guidance of the contractors and not for any claim etc. The quantity of work can be increased/decreased or any item of work can be withdrawn/added to and no claim on this account shall be entertained.
- 21 The Engineer-in-charge has the right to change the design and specification during the execution of the work and rate will be that work under execution.
22. 100% payment shall be made within 30 days after completion/acceptance of the work and actual measurement . However, running payments maximum once in a month, if desired by the contractor on submission of bill can be allowed. All running payments shall be treated as advance payments and any excess payment made to the contractor inadvertently or otherwise for this work or any other work shall be deducted from any payment what-so-ever payable by the department to the contractor.
23. 10% security shall be deducted from the running bills for work done by the contractor/Societies, the same shall be refunded after six months of the final payment of bill or on completion of defect liability period whichever is later.
24. The Income tax or any other tax i.e. work contract tax and labour welfare cess, as leviabale will be deducted from the bill as per rules. **Rates are including GST and the same will be deposited by the contractor at his own level.**
- 25 The work should not be assigned to other party or Sublette without the written approval of the department. In case, it is done, the work order will be terminated on its merits and the contractor will not have any claim of any sort regarding arrangement of man power/material, machinery etc.
26. None can bid on behalf of the other person unless he holds the power of attorney or has letter of authority to that effect. In case the tenderer is other than individual i.e. firm, company etc. the tender will be supported with the document having authority for the purpose.
27. Any person or agency found engaged in cartelization will be debarred from participating in the process of tendering.
- 28 The contractor shall be responsible to provide at his own cost the following amenities for the labour employed by him:-
  - (i) Suitable temporary huts accommodation as in the opinion of the Officer in charge of the work may be necessary.
  - ii Trench Latrines bathing enclosures and platforms separately for men and women and their regular cleanliness to the satisfaction of the office-in-charge.
  - iii Clean drinking water.



iv safety equipment and first aid

v The contractor will be held responsible, if any accident of his labour occurs at site of work.

Note:- No labour will be allowed to reside at the site of the work without the approval of Engineer-in-Charge.

29. Fair wages clause as well as Punjab Public works labour regulations shall be binding on the contractor and he will strictly follow the terms and conditions laid therein. The contractor has to ensure that the payment to their workers be made through bank accounts on time and for the same he has to provide the under taking with his bill.
30. It will be the responsibility of contractor to ensure that BBMB property including trees, structures etc.at site or in the labour camp and in the vicinity thereof are not damaged by negligence of his labour or agent cost of such damages ,if any will be assessed by the Engineer-in-Charge and deducted from the bill of the contractor.
31. Contractor shall make his own arrangement for the watch and ward of his plant and machinery etc.at site of work
32. All residuary matters, not specifically covered by the provisions of work order, shall be regulated in accordance with the rules of Punjab PWD Code/BBMB purchase procedure.
33. No Cement will be provided by the department to the contractor.  
Cement shall be provided by the contractor at his own cost. Sample of cement shall be got tested from approved Govt. lab, before use at site. Charges for testing of cement sample shall be paid by the contractor. Test certificate shall be submitted to department and after acceptance of the same cement shall be used in work.  
The cement will be kept in double lock in the store of contractor i.e. one lock of department and other of contractor. At the time of issue/receipt of cement the same will be opened by authorized person of department and contractor.
34. In case of labour rate tender, material will be supplied free of cost on the above condition at work site.
- 34-A Excess/short consumption of the material will be dealt with as per chapter 27 of the Pb. PWD specification 2013 read with chapter 27 of the Pb. CSR -2010 both amended up to date. The panel rate quoted in the above chapters will be double the issue rate of the material indicated under clause 33 supra.
35. A list of Govt. issued material (if any) remaining surplus with the contractor shall be supplied by him to the Engineer-in-Charge of the work within ten days of the completion of the work. The Engineer-in-Charge shall give a notice in writing and advice to the contractor for the materials accepted for return and shall fix reasonable time limit for its carriage by the contractor to the department stores. If the contractor fails to do so within the specified time it shall be got done by the Engineer-in-charge at the risk and cost of contractor. In case he fails to furnish the afore- mentioned list, it would be presumed that he has no such surplus material left at site.
36. The contractor shall be responsible for the removal of all such debris as has been created by the work allotted to him from the site of work to specified place at contractor cost. No extra payment for removal, loading, Un-loading and disposal of debris within the above limits will be made. In case the agency fails to remove and dispose off the debris, it will be got removed by the department at the contractors. Cost and no claim regarding the department having spent excessive amount on the removal of the debris shall be entertained.
37. Earth required by the contractor shall be brought only from the borrow areas duly approved by Engineer-in-charge.
38. Surplus earth as a result of excavation of foundations shall be disposed off as per approval of the Engineer-in-Charge. No earth as excavated shall be sold by the contractor to private parties nor removed otherwise.

39. All cement concrete, whether plain or reinforced shall be poured with Mechanical vibrator after mixing in a mechanical Mixer unless otherwise specified or directed by the Engineer-in –charge. It shall be the sole responsibility of the contractor himself to arrange for the concrete mixer and vibrator at his own cost.
40. The work will be executed as per PWD. Specification -2013/Punjab common schedule of rates of any other amendment up to date and as per contract Agreement specification to the entire satisfaction of Engineer-in-charge. Common schedule of rates (CSR) shall be Punjab common schedule of rates up to date amendment including sanctioned zonal premium (including issue rate of material) declared up to the date of opening the tenders. Even though all the works and materials necessary to satisfactory completion of the works may not be detailed in the specifications and schedules, their costs will be considered to be with in the contract and no claim for extra charges will be accepted, provided that there is no substantial revision in the specifications of the work in which the consequential charges in price shall be on the already approved rates after approval by the competent/sanctioning authority.
41. The quality of material to be used for the work(S) by the contractor shall be got approved from the department prior to starting of the work(s).
42. The quality of work shall be prime essence of the contract and no compromise whatsoever in this regard will be acceptable.
43. The Engineer-in Charge will bring into the notice of contractor if any defect is found during execution. Such action of the Engineer-in-charge shall not affect the contractor's responsibility. The Engineer-in-charge can instruct the contractor to uncover and test any work that Engineer-in-charge considers that it may be defective. Whereas such notice of defect is given, The contractor shall correct the same within stipulated time failing which defect shall not be got removed at contractor's risk and cost will be recovered from contractor's bill /security.
44. If the Engineer-in charge instruct the contractor to carry out a test specified in the specifications to check whether any work has a defect, the contractor shall pay for the test/and any sample cost etc.
45. If the Engineer-in-charge instruct the contractor to carry out a test not specified in the specifications to check whether any work has a defect and the test shows that it has, the contractor shall pay for the test/and any sample cost etc.
46. The Engineer-in-charge shall give notice to the contractor about of any defect before and prior to the end of defects liability period, which beings at completion and is defined in the contract data. The defect liability period shall be extended further so long as defects remain to be rectified/set right.
47. Whenever a notice to a defect is given, the contractor shall correct the notified defect within the prescribed time limit specified by the Engineer-in –charge in notice.
48. Un corrected defects : in event of the contractor failing to remedy the defect, or remove the inferior quality material that he contracted for, within a period specified by the Engineer-in-charge, as per notice given in this regard, then the contractor shall be liable to pay compensation which shall be determined by the Engineer-in-charge, depending in the nature of defect, provided that it shall not exceed the amount which will be required to set it right, by the Engineer-in Charge by making own arrangement at departmental level or through an outside agency.
49. In case of any delay or short supply of the material to be supplied by departmentally, no claim for any compensation shall be entertained due to interruption in the work or the labour thus tendered idle. However contractor shall arrange such quantity/quality of material/Cement as ordered by the Engineer-in-charge at his own cost at the lowest market rate and no recovery of cost/quantity of such material will be made from contractor bill. The difference of cost of material if any than the stock issue rates as provided in departmental rates shall be paid to the contractor.
50. As per decision of the Hon'ble Supreme court no over loading is to be done by the contractor. If it is found that over loading material is carried by the contractor, then the carriage rates shall be

reduced by 50% and the recovery will be made from the bill of contractor. Full rates shall be allowed if it is certified by the field staff that the actual carriage of material is within the norms and no over loading has been done.

51. If the work is to be carried out in the restricted area, the work permits for contractor's labour and material will have to be obtained by the contractor from the BBMB.
52. In the event of failure of the contractor to complete the work within stipulated period, he shall be liable to pay as compensation an amount equal to ½ % per week, or part thereof subject to maximum 10% ordered value/contract value for the period of delay in completion.
53. Arrangement of water and Electric Power required by the contractor for the work shall be made by him at his own cost. Water charges shall be deducted from bill of contractor if department water is used by the contractor @ half percent of gross value of work done. In case electric supply is made by the department on the request of the contractor, the recovery of the electricity charges shall be made as per prevailing commercial rates.
54. In case of any dispute between contractor and department during execution of work the matter shall be referred to concerned competent authority to approved the tendered rates/work order whose decision shall be final and binding on the contractor and department.
55. In case of any dispute between the parties, local court at Sundernagar shall have the jurisdiction to settle/decide and adjudicate upon such matter.
56. Any material left at the site of work after a month from the completion of work shall become the property of the BBMB and no part payment shall be made to the contractor for such material
57. Defects liability period will be **Six months** calculated from the completion date of the work/project.
58. All tax liability in respect of goods/materials shown in NIT will be the responsibility of Contractor.
59. **Rates are including GST and the same will be deposited by the contractor at his own level.**

Signature of Contractor.

Addl Superintending Engineer,  
Township Division, BBMB,  
Sundernagar.

**Technical Terms & Conditions**

**Name of Work:- Renovation of primary wing building of BSL Sr. Secondary School at BSL (P) Sundernagar.**

**GENERAL Technical conditions :**

**(A) GENERAL TECHNICAL CONDITION:-**

1. Drawing regarding constructions is available in the O/o Addl Superintending Engineer, Township Division, BBMB Sundernagar which can be seen on any working day during office hours.
2. Work shall be done as per P.W.D./CPWD specifications & to the satisfaction of Engineer-in-charge.
3. Quantities of various items can increase/decrease up to any extent at the time of execution of work as the work is of addition/alteration nature.
4. The material shall be issued to contractor against the indent/ register at the stores. After delivery of the material from stores, the contractor will be responsible for the quality and safe custody of material and for keeping it in good conditions at his own cost till it is consumed on the work or returned to the store.
5. The material consumed by the contractor more than 5% of the theoretical material consumption shall be recovered from his claim at double the issue rate.
6. The material consumed for the rectification of the sub standard work done by the contractor shall be recovered from his claim at double the issue rate.
7. Subject to availability, suitable accommodation to be used for store purpose/labour only will be allotted by the Divisional officer against payment of rent under FR.45.B.
8. Final bill only by prepared after N.D.C.s from the S.D.O Commercial Sub Division B.B.M.B Sundernagar and the S.D.O. Enforcement Sub Division B.B.M.B Sundernagar respectively in connection with electric charges and house rent charges are supplied by the contractor.
9. P.P.C cement 43 grade shall be used at the site. As per IS specification and standard. Cement shall be provided by the contractor at his own cost. Sample of cement shall be got tested from approved Govt. lab, before use at site. Charges for testing of cement shall be paid by the contractor. Test certificate shall be submitted to department and after acceptance of the same cement shall be used in work.
10. The cement will be kept in double lock in the store of contractor i.e. one lock of department and other of contractor. At the time of issue/receipt of cement the same will be opened by authorized person of department and contractor.
11. All building material should be as per PWD/CPWD specification.
12. Contractor shall abide by all labour laws.
13. Contractor shall adhere to safe construction practice against hazards and unsafe working condition and shall comply with owners safety rules.
14. The electric charges for the electricity consumed by the contractor (in case Electric connection provided by the Deptt.) will be paid by him as per rules.

15. Recovery for the water used for the construction by the contractor shall be made @ ½ % of the gross value of work done if the water is supplied by the Deptt.
16. The excavated / dismantled rubbish which is not re-useable in any manner will be disposed of by the contractor at his own cost at the site as suggested by the Engineer- In Charge.
17. The contractor should have his own skilled technical staff.
18. The contractor has to be carried out the required test of materials and samples of material from the Govt. approved lab or other Govt. labs at his own cost.
19. Electric connection should be taken before executing the job related to electricity.
20. All safety measures should be taken during the execution of work.
21. Contractor shall be entirely responsible for safe construction and operation of work site or any mishap if any.
22. The working area should be enclosed/ cordoned off.
23. Contractor shall be entirely responsible for safe construction and operation of work site or any mishap if any.
24. Only hollow block will be supplied/provided by the department @ 0.93/- per block other material will be arranged by the contractor himself.

#### **TECHANICAL SPECIFICATIONS:**

#### **Centring and Shuttering:-**

1. Form for concrete shall meet the following general requirements:-
  - (a) Form shall conform to the shape, lines and dimensions of the concrete, as shown on the drawings. Forms shall be substantial and properly braced or tied together to maintain position and shape.
  - (b) Forms shall have sufficient strength and rigidity to withstand the weight of concrete and the necessary pressure in ramming and vibration of concrete and the movement of men, material and plant without excessive deflection from the prescribed lines.
  - (c) The surface of all forms in contact with the concrete shall be rigid and tight to prevent leakage of mortar. Suitable devices shall be used to hold corners, adjacent ends, and edges of panels of other forms together in accurate alignment.
  - (d) The form lining should be such that the concrete surface shall have the desired type of finish.
  - (e) Ready access should be provided for proper placement, working and vibration of the concrete and for inspection of these operations.

#### **Cold Twisted :-**

- (i) Cold twisted deformed (Ribbed/Tor steel bar) Bars Fe 500 grade as per IS 1786-1985. The bending and placing in position complete.
- (ii) This specification shall cover the requirement and the methods of test for rolled mild steel and medium tensile steel bars in round and square sections.

- (iii) All finished bars shall be neatly rolled to the dimensions and weights specified herein; they shall be sound and free from cracks. Surface flaws, Laminations and rough, jagged and imperfect edges and other defects, and shall be finished in a workman like manner.
- (iv) Mild steel and medium tensile steel bars shall conform to the requirements of Indian standard: 432.
- (v) All finished steel shall to the tolerances allowed be well and clearly rolled to the dimensions, sections and weights specified or required. The finished material shall be free from cracks, surface flaws, laminations: rough, jagged and imperfect edges: and all other defects. The material shall comply in all respects with the tests and requirement mentioned in Indian standard: 226, applicable to the material ( members, sections, plates and bars) specified or required.
- (vi) Tolerance in dimension and weight shall be allowed as laid down in Indian Standard:226.
- (vii) Bend Test Pieces:- The test pieces shall be cut length –cold lend tent, wise and cross wise from plates, and length-wise from sections and bars (including flat bars). When, the sections permit, these shall not be less than 1.5 inch, (38 mm) wide, or if the , manufactures desire , round, square, hexagonal or flat bar, shall be bent in the full section of the bar as rolled.

### **Dismantling Cement Concrete:**

1. Dismantling shall be done as per requirements and as directed by the Engineer in charge.
2. Extra dismantling done (of depth and area) to the required as directed by Engineer in charge shall not be paid by the department to Contractor.
3. Contractor shall carry out the repair & rectification of damages due to extra dismantling done at his own cost.
4. The site should be cleared of any debris immediately after completion of the work to avoid any hindrance.

### **Cement Concrete:**

1. Coarse and Fine aggregates used in concrete shall be of good quality and free from dust, clay and any other deleterious material.
2. Concrete done shall be properly and sufficiently cured as per Punjab PWD specifications and to the full satisfaction of Engineer incharge.

### **Kotah Stone Flooring:**

Kotah stone used shall be of the best quality and of the specified thickness, size and the shade, which shall be got approved by the Engineer-in-charge. Uniformity of size and colour / shade shall generally be maintained for the stones used in all rooms.

Bedding for Kotah stone fixing shall be of cement mortar of thickness and mix specified in the schedule. Cement mortar as specified for bedding shall be uniformly mixed and mortar shall be uniformly spread for the even bedding of the stones. Before spreading the mortar, the sub-floor or base shall be cleaned of all dirt, laitance and brought to original levels and then well wetted without forming pool of water on surfaces.

Before laying, the stone shall be thoroughly wetted with clean water, neat cement grout and after that stone should be laid on the neat cement float and shall be evenly and firmly bedded to the required level and slope in the mortar bed. There shall be no hollows left and the work shall be well

cured to the satisfaction of Engineer-in-charge. After complete set of bedding and joints, Kotah stone surface shall be machine polished to give smooth and even flooring.

### **Vitrified & Anti Skid Tile Flooring:**

Tiles shall be approved make confirming to relevant standards in all respects. They shall be flat & true to the shape, free from cracks, spots, chipped edges & corners. The thickness as per recommendations of approved make/manufacturer. Laying of tiles shall be done as per given in schedule of their item.

### **Glazed Tiles – Dado/ Skirting:**

The tiles shall be of approved make and quality by Engineer-in-charge. Thickness of tile shall be as per schedule and sample be got approved from Engineer-in-charge.

The bedding/backing for the tile shall be of C.M. 1.3 or as specified and shall be applied and allowed to harden. The mortar shall be roughened with wire brushes or by scratching diagonal lines. The back of tiles shall be buttered with a coat of grey cement slurry paste and edges with white cement slurry and set in the bedding mortar. The tiles shall be tapped gently with wooden mallet and corrected to proper planes and lines. After sufficient curing, tiles shall be cleaned.

### **Wood Work- Shutters:**

Solid core flush door shutters shall be of thickness mentioned in the schedule and generally conforming to the I.S. specification 2202-1991 (specification for wooden flush door shutter –solid core type latest am). Sample of the door should be got approved from Engineer in Charge before use on the work.

### **Scraping and nicking of cement plaster/concrete surface :**

Cement sand plaster/concrete surface of parapet walls /side walls of roof slab shall be effectively scraped with scraper to make it sufficiently rough for further waterproofing treatment layer.

### **Plastering:**

1. Fine aggregate used in preparation of cement sand mortar (1:5) and (1:4) for plaster work shall be free from dust, clay or any other deleterious material.
2. Mortar mix shall be properly mixed before use in plastering.
3. Plastering surface of wall shall be properly prepared by cleaning and scrubbing with fresh water before plastering the surface.
4. Entire work of plastering shall be carried out in true line and level.
5. Plastered surface shall be properly and sufficiently cured as per Punjab PWD specifications and to full satisfaction of Engineer-in- charge.

### **Painting:**

The surface shall be thoroughly cleaned. All dirt, rust, scales, smoke and grease shall be thoroughly removed before painting is started. All type Paint used shall be of good quality and make as approved by Engineer –In Charge. It shall be applied uniformly on the surface to give a good

appearance and any damage caused during painting work to the existing works/surfaces shall be made good by the contractor at his own cost.

### **Steel Structures:-**

1. All finished steel shall to the tolerances allowed be well and clearly rolled to the dimensions, sections and weights specified or required. The finished material shall be free from cracks, surface flaws, laminations: rough, jugged and imperfect edges: and all other defects. The material shall comply in all respects with the tests and requirement mentioned in Indian standard: 226, applicable to the material ( members, sections, plates and bars) specified or required.
2. Every piece of steel (with the exception of small bars and pieces, which shall be supplied in securely packed bundles) shall be legibly marked with:-
3. Manufacture's name or trade mark.
4. Cast number or identification mark by which, the steel can be traced to the cast from which it was made.

### **Aluminium work:**

Aluminium section to used shall be of branded make i.e Jindal, Hindalco, Mahaveer or other equivalent make and of specifications as per the Schedule and before use it shall be got approved from the Engineer in charge. Aluminium sections to be used shall be smooth, straight, mitred & jointed mechanically and it should be free from rust. Weight of section to be used shall be confirming to the specifications.

Float glass to be used in glazing shall be of good quality and of required thickness and shall be got approved from the Engineer in charge. It shall be fixed as per the architectural drawing for the work.

Aluminium beading and neoprene gaskets to be provided shall also be of good quality as per the specifications and it shall also be got approved prior to use in work.

Hydraulic floor spring, aluminium door fittings i.e. sliding door bolt, tower bolts, handles, springs, screws, brass lock etc. shall be of good quality and make as approved by the Engineer-in charge. Door springs are included in the rates and no extra payment to Contractor shall be made for this.

Fixing of aluminium sections for chowkhats, door shutters, windows and partitions along with their fittings & fixtures shall be done in such a manner that it presents a good finished look and the operation of the doors & windows has to be smooth as well as easy.

### **Electrical Work :**

1. The contractor should prepare & submit the circuit diagram (Light & Power both) and should be got approved from the Engineer-in-charge before execution of work.
2. The materials like wires, switches, sockets, kit-kat, MCB etc. should be ISI marked and as per latest Punjab PWD/CPWD specifications.
3. Samples of all electrical items i.e. wires, switches, sockets, kit-kat, MCB, PVC casing & capping, double hinged teak wood boards etc. should be got approved from the Engineer-in-charge before execution of the electrical work
4. All points should be connected with proper earthing to avoid any mis-happening. No extra payment shall be made on this account.



## **Steel Windows :**

Standard steel sections as per IS standards should be used for the above work by the contractor. No additional payment shall be made for over weighted sections if any. Steel sections shall be formed true to details with clean straight, sharply defined profiles and free from rolling or other defects. All works shall be accurately formed to the required dimensions, line and level.

In addition to the above, all works involved and required for completion of this work shall be done as per the PWD specifications and instructions given by the EIC. After completion of the work, site should be cleared off from debris and any other surplus material.

**Addl. Superintending Engineer,  
Township Division, BBMB,  
Sundernagar. H.P.**