



**Part-II
PRICE BID**

**CIVIL WORKS INVOLVED IN FRONT
ELEVATION & ACOUSTICAL FALSE CEILING
WORKS FOR TRAINING CENTRE FOR TRADE
APPRENTICE, MIDHANI, KANCHANBAGH,
HYDERABAD-58.**

**MISHRA DHATU NIGAM LIMITED
P.O.KANCHANBAGH, HYDERABAD**

PURCHASE DEPARTMENT**Tender Notice No:** AP2071054/ADVT/219/17-18

30.11.2017

To,

Dear Sir,

**Sub: - CIVIL WORKS INVOLVED IN FRONT ELEVATION &
ACOUSTICAL FALSE CEILING WORKS FOR TRAINING CENTRE
FOR TRADE APPRENTICE, MIDHANI – reg**

1. Please find enclosed herewith the Tender Enquiry for the above work. You are requested to furnish your offer before last date of submission, along with Tender Fee Rs. 1000/- , along with EMD of Rs 1.45 lakhs pay online through link <http://ebs.in/midhani/public> or visit MIDHANI website www.midhani.com > purchase > Tenders > Tender fee, EMD fee (Earnest Money Deposit)– ONLINE PAYMENT or Bank Guarantee confirmed by bankers of bidders favoring MIDHANI through a Nationalized Bank/ Scheduled Commercial Bank encashable in INDIA. Validity of the BG shall be for one year months. The original BG (Hard Copy) should be submitted along with the Technical Bid before bid submission end date. The tenders without EMD/tender fee amount will be rejected; request for adjustment from pending bill will not be entertained. Estimated Value Rs 58.00 lakhs.
2. Tender shall be submitted in tender box kept at corporate office on or before 02-01-2018 up to 10.30 hrs.
3. The period of completion of job will be 90 days from the date of handing over of site. Time is essence of the contract; contractor has to mobilize materials & labour to complete within 90 days time period.
4. The tenderer shall inspect the site of work and understand the scope of work before quoting. No extra amount will be paid on account of misunderstanding either in scope of work, specification, drawings, site conditions etc.
5. All materials required for the work shall be arranged by the contractor unless until specified in Bill of Quantities.
6. The work shall be carried out as per MES-SSR-2009 specifications.
7. This is an item rate contract and the quantities are approximate, but payment will be made only on actual work done based on joint measurement.
8. Four R. A Bills and one Final Bill will be paid. The contractor has to furnish all material bills along with each bill (if any). Apart from the above, 02(two) material advance for Aluminum composite panels, glass, Acoustic false ceiling boards etc will be given at the rate of 60% of material cost landed at MIDHANI site. The guarantee of material landed at site for which material advance claimed lies with contractor till handover of the completed works at site. The contractor shall ensure safety of material against theft, fire, weathering condition etc at his

own cost. Any defect developed between the storage period to execution stage, contractor has to replace the defective piece at free of cost.

9. R.A Bill will be paid within 15 days from the date of certification of Engineer-in-charge. Material bills in seven days after certification of Engineer-in-charge against submission of proper bills with security gate entries along with indemnity bond by contractor. However, Final payment will be made within 30 days after satisfactory completion of work and certification by Engineer-in-charge.
10. a) **Security Deposit (S.D):** The successful tenderer has to submit 5% of Work order value as a security deposit in the form of D.D/ Bank Guarantee at the time of entering / signing the contract. Further, EMD deposited will be adjusted in 5% Security Deposit & the security deposited will be released after satisfactory completion of work and after certification of Engineer-In-Charge.

b) **Retention Money :** A sum of 5% of gross value of work order will be deducted from each running bill and final bill. The same will be released after the completion of defect liability period of 12 months and after certification of Engineer –In- Charge. Also, contractor can submit Bank Guarantee for equivalent amount in the prescribed format issued by nationalized or scheduled bank and same shall be valid for defect liability period + 3 months claim period.
11. The security and safety rules of MIDHANI to be followed. The contractor shall take care of all labour laws regarding minimum wages, ESI, PF, C.A.R. Policy, Group Insurance etc., Midhani is no way responsible in this respect. Midhani is not liable for any claim in respect of any accidents during the work.
12. (a) MIDHANI reserves the right to operate partial or delete any item specified in BOQ without any compensation to contractor for the items un-operated or deleted.

(b) If at any time after acceptance of the tender MIDHANI feels that for any reasons whatsoever, if the whole or any part of the contract services is not required to be carried out, notice shall be given in writing of the fact to the contractor and upon receipt of such notice, the contractor shall stop the execution of such services as indicated in the notice forthwith. The contractor shall have no claim to any payment of compensation or otherwise whatsoever on account of any profit or advantage which he might have derived from the execution of the services in full, but which he did not derive in consequence of the foreclosing of the services / contract. Contractor shall be paid at contract rates for the full amount of the work executed including such additional services as may be rendered necessary by said foreclosing.
13. Any new items (viz. supply of material, labour, skilled works etc) will be paid as per (a) or (b) whichever is less:
 - a) As per MES-SSR 2016 rates with applicable Percentage Index at that time.
 - b) As per market rate analysis.

14. The contractor should not cause any loss or damage to MIDHANI property/or personnel, if any loss or damage is caused the cost of the same will be recovered from the bills by MIDHANI, which will be final.
15. The quantities are subjected to $\pm 20\%$ variation and the contractor has to carry the work on the same rates, terms and conditions within the variation limits prescribed.
16. If the contractor fails to receive the work order within a week time from the date of intimation to him or if the contractor does not start the work within 3-7 days from the date of handover of site, or if the work is abandoned / stopped without bringing proper notice to Engineer-in-charge, the contract will be terminated and balance work will be carried out at the cost and risk of contractor.
17. Liquidated Damages: - a) If the work is not completed within stipulated time, liquidated damages at 1% per week delay up to maximum of 10% total value of work will be deducted.
b) If the delays are not attributed to the contractor, the competent authority holds the right to waive off the L.D or reduce the L.D as the case may be.
18. Midhani reserves the right to penalize
 - a) If the contractor fails to submit the 5% Security deposit within the stipulated period, then penalty of Rs 1000 per day maximum of 10,000.00 will be collected and further delay will empower MIDHANI to termination of contract and apply risk purchase.
 - b) If the contractor fails to receive the work order within 3 days of intimation, then a penalty Rs 500 per day will be levied subjected to maximum of Rs 5000.00. Further delay will empower MIDHANI to termination of contract and apply risk purchase.
 - c) Contractor has to maintain "HINDRANCE REGISTER" which is to be certified by both MIDHANI Site engineer and contractor engineer before release of final bill.
19. The offer shall be valid for 3 months from the date of opening of tender.
20. Interested parties may attend tender opening on 02.01.2018 11:00 hrs at Purchase Department. .
21. Incomplete or partially filled tenders will be rejected. Also, conditional offers are liable for rejection. MIDHANI reserves the right to accept or reject any or all tenders without assigning any reasons.
22. Contractor has to maintain site record, hindrance record, record for steel, cement etc.
23. Site has to be cleaned by the contractor before handing over to MIDHANI after completing the work. The final bill will be processed only after obtaining site cleaning certificate from the Engineer-in-charge.
24. The Earnest money deposit can be encashed if the tenderer withdraws his tender proposals / modifies / changes / alters / impairs / derogates the tender document on his own after the first cover is opened or within the subsistence of the validity period of offer or fails to accept the Letter of Award (LOA) issued by MIDHANI or fails to submit security deposit or fails to turn-up and execute contract agreement or fails to commence the work as per LOA. Such bidders will be banned subject to action as may be deemed fit. In case of unilateral

revision or withdrawal of offer by the bidder as above, shall also result in rejection of bid without notice. If there is any authentic information about the intending tenderer having formed a cartel / submitted Non-earnest bids, the tender will be cancelled and the Earnest Money Deposit of all the tenderer shall be forfeited, besides initiating actions like banning as may be deemed fit.

25. The contractor shall bear all levies, taxes including GST, duties etc., payable or arising from/ out of by virtue of or in connection with and / or incidental to the contract or operation(s) or any other part thereof to be performed by the contractor and the contractor shall indemnify and keep indemnified MIDHANI from and against the same or any default by the contractor in the payment there of.
26. The contractor has to employ one qualified experienced graduate engineer for supervision of works. Otherwise, penalty of Rs 1000/per day will be collected from contractor's bills as per certification of Engineer – in - charge.

Yours faithfully,
For Mishra Dhatu Nigam Limited

T. Raghu Ram
Addl. General Manager (I/c Purchase & Stores)

- DECLARATIONS: - 1) I have seen the site and understood the full scope of work, specified in tender, BOQ, drawings etc.
2) I agree to return all the documents along with this offer.
3) I have taken into account of points of Minutes of Pre bid Meeting held on 14-12-2017 & circulated on MIDHANI website.

CONTRACTOR
SIGNATURE AND SEAL

BOQ FOR CIVIL WORKS INVOLVED IN FRONT ELEVATION & ACOUSTICAL FALSE CEILING WORKS FOR TRAINING CENTRE FOR TRADE APPRENTICE, MIDHANI

Sl.No	Description of work	unit	Quantity	Rate		Amount	
				Rs	Ps	Rs	Ps
1.	Glazing Works						
1.1	Structural Glazing Works						
	<p>Designing, fabricating, transporting, supplying, assembling and fixing in position as per site conditions of Double glazed, unitised Structural glazing system to external faces of the building as per drawing with suitable specially designed patented aluminium extruded powder coated sections, anchored to floor to floor at all levels, elevation and heights to the RCC/ Masonry/ Structural steel elements using hot dipped Galvanised Iron clamps and approved make of anchor bolts (HILTI or equivalent make). The glass panels shall be double glazed 6mm + 12mm air gap + 5mm glass (Double Glazed) of Saint Gobain / Equivalent - Planitherm Mint Green Colour shade (OR as approved by Engineer in charge) with Low e / U value of 1.7 and securely bonded to framework with structural sealant (DC-995) to ensure absolute water tightness including approved make of EPDM gaskets, weather sealants at ACP/ Stone Cladding / RCC Fins terminations joints, required accessories and all incidental work complete. Structural glazing system should withstand a wind speed of 44m/sec. Detailed drawings to be prepared by vendor and get it approved from engineer in charge. The rate quoted must be for finished / installed item and to the satisfaction of the engineer in charge. Height of the structural glazing is from 1.2m to 5.8m from FFL and fixed within the ACP Fins in each bay as per drawing no: E2.</p>	Sq.m	85				
1.2	Spider Glazing Works @ Main Entrance of the Building						
	<p>Designing, fabricating, transporting, supplying, assembling and fixing in position as per site conditions of Double glazed, unitised Structural glazing system to external faces of the building as per drawing with suitable specially designed patented aluminium extruded powder coated sections, anchored to floor to floor at all levels, elevation and heights to the RCC/ Masonry/</p>						

	Structural steel elements using hot dipped Galvanised Iron clamps and approved make of anchor bolts (HILTI or equivalent make). The glass panels shall be double glazed 6mm + 12mm air gap + 5mm glass (Double Glazed) of Saint Gobain / Equivalent - Planitherm Mint Green Colour shade (OR as approved by Engineer in charge) with Low e / U value of 1.7 and securely bonded to framework with structural sealant (DC-995) to ensure absolute water tightness including approved make of EPDM gaskets, weather sealants at ACP/ Stone Cladding / RCC Fins terminations joints, required accessories and all incidental work complete. Structural glazing system should withstand a wind speed of 44m/sec. Detailed drawings to be prepared by vendor and get it approved from engineer in charge. The rate quoted must be for finished / installed item and to the satisfaction of the engineer in charge. Height of the structural glazing is from 1.2m to 5.8m from FFL and fixed within the ACP Fins in each bay as per drawing no: E2.				
1.2 .1	Spider Glazing including Sliding Door (Ground & First Floor (Double Ht @ Main Entrance)	Sqm	50		
1.2.2	Glass Canopy covering landing of main entrance steps	Sqm	5		
2	ACP Works				
	Designing, fabricating, transporting, supplying, assembling and fixing in position as per site conditions the approved shade and make of PVDF coated Aluminium composite panel cladding of Aludecor/Alstrong make either straight in plan as per drawing including the special elevation feature @ terrace (Refer Dwg No E4). The approved Aluminium composite panel comprising 4mm with skin material 0.5 mm thick confirming to ASTM standard/specification of alloy 3105 series comprising natural polyethylene core sandwiched between two skins of 0.50mm thick with exterior grade coating of PVDF Paint shall be cladding to patented aluminium base frame work to line and level at all heights and hardware with appropriate and adequate designed properly anchored to Masonry / RCC/ Structural Steel elements with all fixing accessories to the shape and profile as per the manufacturers	Sqm	510		

	specifications. All Aluminium composite panel cladding joints shall be neatly finished with approved shade and make of weather sealant (DC-789). Aluminium composite panel should withstand a wind speed of 44m/sec. Detailed drawings to be prepared by vendor and get it approved from engineer in charge. The rate quoted must be for finished / installed item and to the satisfaction of the engineer in charge.				
3	Providing and laying in position Vibrated Reinforced Cement Concrete M20 Mix (1:1.5:3) using mechanical mixer, 12 to 20mm size well graded HBG machine crushed chips at all depths, heights and levels in all types of horizontal rc slabs & Beams and any other minor concrete works excluding centering / shuttering (Paid Separately) costs and conveyance of all materials to site, labor charges, vibrating charges, curing with wet hessian cloth and all other incidental and operational charges etc. complete for finished item of work but excluding cost of steel and its fabrication charges. complete as per drawing and as directed by engineer in charge..				
3.1	a) Horizontal RC Slabs at 1.2m Lvl & 5.8M Lvl from FFL including providing 200mm thk RCC supporting bed on brick work as per drwg no E2	Cu.m	2		
3.2	b) Beams to support elevation wall in the SE corner of the building	Cu.m	4		
4	Supply ,Fabricating and fixing in position HYSD / TMT / Fe 500 steel reinforcements of various diameters at all levels and positions including cost of straightening, cutting, laying, bending, cranking and tying with annealed GI wire after placing in positions as directed by the Engineer-in-charge including cost and conveyance of steel and GI wires, lifting, labor charges and concrete cover blocks etc.. The overlaps will not be measured separately, Use steel-Tata Tisco/VSP/Sail /JSW Steel or approved make only	MT	0.6		
5	Providing and placing steel formwork for concrete Horizontal RCC Slabs & RCC Beams with supports of acrow using acrow span, adjustable props upto min.3.4 mts. to 12 mts. Height(floor height), cost and conveyance of all materials to site site, labour charges,vibrating charges,curing				

	with wet Hessain cloth and all other incidental and operational charges etc., complete shaft, posts as per drawing and as directed by engineer in charge.				
5.1	Horizontal RC Slabs at 1.2m Lvl & 5.8M Lvl from FFL as per drwg no E2	Sqm	35		
5.2	Beams to support elevation wall in the SE corner of the building	Sqm	25		
6	<u>MASONRY WORKS for Special Feature in Elevation in SE corner of the building to receive SS letters</u>				
	Providing & laying 230 thk. Brick masonry in elevation at all heights in cement mortar (1:6) prop. Using best quality table molded light weight bricks having crushing strength of not less than 35 kg/cm ² from approved source including cost and conveyance of all materials, scaffolding, labor charges, racking out joints, curing, cement etc., complete for all heights for finished item of work as directed by engineer in charge. (Note: 230mm Brick work for covering the RWP to be integrated /worked into 0.23m Thk external brick Wall of the building including providing 50mm CC bed (M15) coping over brick wall)	Cu.m	10		
7	<u>PLASTERING AND PAINTING WORKS</u>				
7.1	Providing external plaster of 20mm thick cement-sand plaster in two coats, backing coat 15mm thick in CM (1:6) and finishing coat 5mm thick, finished smooth at all heights including mixing water proofing compound of approved make, providing chicken mesh with CM 1:3 proportion at all RCC & masonry joints, necessary dabbing, curing, 10x10mm Grooves as required including scaffolding complete as per specifications (for all heights). The plaster work shall be true to the plumb and square and contractor shall provide proper gauges prior to start of work for approval including cost and conveyance of all materials, scaffolding at all heights, labour charges and all operational, incidental charges etc., complete for finished item of work as directed by the engineer in charge..	Sqm	425		
7.2	Providing and applying 2 coats of Premium emulsion paint of Asian make (Internal paint) (colour shades as per consultant / Engineer in charge) matching the shade of the glass in structural glazing and spider glazing over	Sqm	45		

	a coat of primer as per specifications of the manufacturer. The rate shall include the cost of the priming coat and three coats of "Wallcare", White cement based putty & two coats of painting with necessary surface preparation. The rate shall include removal of paint marks over windows, doors, ventilators, flooring and conveyance of all materials, scaffolding at all heights, labour charges and all operational, incidental charges etc., complete for finished item of work for finished item of work for ceiling and internal walls complete and as directed by engineer in charge.				
7.3	Painting with weather proof exterior emulsion paint APEX ULTIMA Asian make)(shade as approved by engineer in charge) to exterior faces of new walls over a coat of primer as per specifications of the manufacturer with external grade Putty of approved make. The rate shall include the cost of the priming coat, two coats of external grade putty and two coats of painting with necessary surface preparation. Including removing paint marks over windows, doors, flooring etc. The rate is including cost conveyance of all materials, scaffolding at all heights, labour charges and all operational, incidental charges etc., complete for finished item of work and as directed by engineer in charge.				
7.3.1	Apex Ultima	Sq.m	320		
7.3.2	Apex Ultima - Texture paint for RR Masonry	Sq.m	140		
8	Vitrified Tiles Cladding in elevation				
	Providing and laying 8mm thick Vitrified tiles (MATT/SATIN) (Light shade)(External Grade) (Shade to be approved by Engineer in charge) of 600 x 300 mm for external wall cladding as per drawings & as indicated laid on cement mortar bed or backing of mix 1:3, with adhesive chemical with joints properly aligned, filled with proprietary cement grout of approved shade and color (Laticrete or Bal endura make) at all levels and locations to different patterns as per specifications ,and direction of the Engineer in charge all complete, including conveyance of all materials, scaffolding, labour charges and all operational, incidental charges etc., complete for finished item of work.	Sq.m	45		

9	Structural Steel Works				
	Providing, Supplying, transporting, fabrication and erection and placing in position MS Rolled Steel Sections & Plates (Grade 250) for elevation facades works as per drawing at all heights, Lead and Lifts with necesary and suitable welding as per IS codes. All the members to receive 1 coat of anti corrosive primer and 2 coats of Enamel paint of Asian paints / Berger / Equivalent make for Side fins holding the structural glazing & for special elevation feature at terrace level. At terrace level, the vertical steel columns to be welded to the existing RCC beams through base plates and Hilti systems. Size of base plate 400x400x8mm thk (5 nos) (Approx). The entire work to be completed and executed to the satisfaction of the engineer in charge. The rate quoted should be for complete / installed item as per drawing.	MT	7		
10	Stainless Steel Letter & Logo				
10.1	Providing and fixing Stainless Steel letters made with 22 gauge thick Stainless Steel sheet on front and 24 gauge thick on side of the letters including necessary patentant fixing arrangement on vitrified tile / ACP to complete. Rate shall be inclusive of any scaffolding required for fixing at desired location on the Elevation Special Wall on SE Corner of the building.				
	Letter upto 8" to 9" ht	Nos	40		
10.2	Providing and fixing LOGO made with 22 gauge thick Stainless Steel sheet. LOGO shall have necessary patentant fixing arrangement. Rate shall be inclusive of any scaffolding required for fixing at desired location. (LOGO to be given by Client)	LS	1		
11	Providing & Fixing of Armstrong Soft Fibre Acoustical Suspended Ceiling System with Optra (Bevelled Tegular) Edge Tiles With Armstrong 15mm Exposed Grid. The tiles should have Humidity Resistance (RH) of 95%, NRC 0.9 - 1.0, Light Reflectance ≥85%, Colour White, Fire Performance UK Class 0 / Class 1 (BS 476 pt - 6 &7) in module size of 600 x 1200 x 15mm , suitable for Green Building application, with Recycled content of 66% GW & 74% RW. The tile shall be laid on	sqm	830		

<p>Armstrong Suprafine 32 with 15 mm wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner & 1200 mm Cross Tees with a web height of 32mm and a load carrying capacity of 7.5Kgs/M2 with a minimum pull out strength of 100 kgs. The T Sections have a Galvanizing of 90 grams per M2 and need to be installed with Suspension system of Armstrong make The Tile & Grid system used together should carry a 10 year warranty. The entire system installation to comprise main runner spaced at 1200mm centres securely fixed to the structural soffit using Armstrong suspension system (specifications below) at 1200mm maximum centre. The First/Last Armstrong suspension system at the end of each main runner should not be greater than 450mm from the adjacent wall. Flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. Perimeter trim to be Armstrong wall angles of size 3000x19x19mm, secured to walls at 450 mm maximum centres, to complete as approved and directed by engineer-in-charge.</p>				
Total Amount (Rs)				
Taxes				
GST				
Grand total				

(Rs. In words)