

PROFORMA FOR SUPPLYING NIT INFORMATION

Tendering Authority	Sr. Executive Engineer, Operation & Maintenance Division, BBMB Dhulkote, Ambala City-134007 Haryana
Scope of Work	Renewal & replacement of Toilets of SLDC Complex BBMB Chandigarh.
Tender reference No.	NIT No.08 BBMB Dhulkote Dated 08.11.2016
Last date of issue of Tender Documents	06.12.2016 Upto 17-00 Hrs
Due date/ Time for submission of Tenders	08.12.2016 Upto 13-00 Hrs
Date/ Time of opening of Tenders	08.12.2016 At 15-30 Hrs
Tender Fee	Rs.1000/- (Non-Refundable)
Earnest Money Deposit	Rs.4800/-
Address for communication	Sr Executive Engineer, O&M Division BBMB Dhulkote, Ambala City-134007, Haryana
NIT Details	Attached
Date of posting on the Website	
Date of removal from the Website	
Category	Civil work

(Er. Ravinder Sheokand)
Sr Executive Engineer
O&M Division, BBMB Dhulkote,
Ambala City.

BHAKRA BEAS MANAGEMENT BOARD

NOTICE INVITING TENDERS

NIT No. 08 dated 08.11.2016	
Name of Office :	Sr Executive Engineer, O&M Division BBMB Dhulkote, Ambala City-134007, Haryana
Name of Work	Renewal & replacement of Toilets of SLDC Complex BBMB Chandigarh.
Last date of issue of Tender Documents	06.12.2016 Upto 17-00 Hrs
Website for details	The detailed NIT may be downloaded from BBMB official Website www.bbmb.gov.in
Total cost of the work	Rs. 4.76 Lacs
Earnest Money to be Deposited	Rs. 4800/-

(Er. Ravinder Sheokand)
Sr Executive Engineer
O&M Division, BBMB
Dhulkote, Ambala City.

BHAKRA BEAS MANAGEMENT BOARD (PW)

NIT No. 08

Dated: 08.11.2016

Sealed Tenders are hereby invited on behalf of BBMB for the execution of the following work from reputed civil contractors on item rate:

Sr. No.	Name of Work	Estimated Cost	Earnest Money	Validity	Completion Period	Date of Opening of Tenders
01	Renewal & replacement of Toilets of SLDC Complex BBMB Chandigarh.	4.76 Lacs.	4800/-	90-days	3-months	08.12.2016 at 15:30 Hrs

1. Tender documents can be purchased against cash payment of Rs.1000/- (Rs.One Thousand Only) (Non-Refundable) from the office of undersigned on any working day between 09:00 AM to 05:00 PM upto 06.12.2016 by cash or by Demand Draft in favour of Accounts Officer (Payments) BBMB Dhulkote Ambala City payable on any scheduled bank at Ambala. Documents can also be downloaded from BBMB website www.bbmb.gov.in. The tenders of only those tenderers/contractors will be accepted/ entertained, who will purchase the tender documents well in advance.
2. Request for issuance of tender forms must accompany copy of pan card & documentary evidence as below:-
Tenderer must have successfully completed the civil works up to tender value in last three years.
3. Complete tender will be received up to 01:00 PM on the date of opening as mentioned above and will be opened on same day i.e. 08.12.2016 at 03:30 PM in the office of the undersigned in the presence of contractors/ tenderer's or their authorized representatives, who may wish to be present.
4. In case due date for the receipt/ opening of the tenders happens to be a holiday, the tenders will be received/ opened on the next working day.
5. The department reserves the right to reject any or all tender(s) without assigning any reasons.

(Er. Ravinder Sheokand)
Sr Executive Engineer
O&M Division, BBMB
Dhulkote, Ambala City.

एन. आई. टी. का प्रोफॉर्मा

टेंडर जारी करने वाला प्राधिकारी	व.कार्यकारी अभियंता,ओ एण्ड एम मंडल, बीबीएमबी धूलकोट अम्बाला शहर – 134007-हरियाणा
टेंडर का क्षेत्र	एस.एल.डी.सी. कम्पलैक्स बीबीएमबी चण्डीगढ में स्थित शौचालयों के नवीनीकरण व बदलने हेतु ।
टेंडर क्रमांक	निविदा न.08 दिनांक 08.11.2016
टेंडर जारी करने की अंतिम तिथि	06.12.2016 सांय 5 बजे तक
टेंडर देने की निश्चित तिथि व समय	08.12.2016 दोपहर 1 बजे तक
टेंडर देने की खुलने की तिथि व समय:	08.12.2016 दोपहर 3.30 बजे
टेंडर फीस	रु 1000/- मात्र (Non-Refundable)
धरोहर राशी	रु 4800/-
पत्राचार का पता	व.कार्यकारी अभियंता,ओ एण्ड एम मंडल, बीबीएमबी धूलकोट, अम्बाला शहर – 134007-हरियाणा
निविदा विवरण	संलग्न
वेबसाईट पर जाने की तिथि	
वेबसाईट से हटाए जाने की तिथि	
श्रेणी	सिविल कार्य

(ई.रविन्द्र श्योकन्द)

व.कार्यकारी अभियंता

ओ एंड एम मण्डल, बीबीएमबी

धूलकोट,अम्बाला शहर ।

भाखडा ब्यास प्रबंध बोर्ड

निविदा न. 08 दिनांक 08.11.2016	
कार्यालय का नाम	व.कार्यकारी अभियंता,ओ एण्ड एम मंडळ, बीबीएमबी धूलकोट, अम्बाला शहर – 134007-हरियाणा
कार्य का नाम	एस.एल.डी.सी. कम्पलैक्स बीबीएमबी चण्डीगढ में स्थित शौचालयों के नवीनीकरण व बदलने हेतू ।
टेंडर जारी करने की अंतिम तिथि	06.12.2016 सांय 5:00 बजे तक
विवरण के लिए वेब साईट	विस्तृत निविदा आमंत्रण सूचना बीबीएमबी की अधिकारिक वेबसाईट www.bbmb.gov.in से डाऊनलोड की जा सकती है ।
कार्य का अनुमानित व्यय	रू 4.76 लाख
धरोहर राशि जो जमा करवानी है	रू 4800/-

(ई.रविन्द्र श्योकन्द)
व.कार्यकारी अभियंता
ओ एंड एम मण्डल, बीबीएमबी
धूलकोट,अम्बाला शहर ।

भाखडा ब्यास प्रबंध बोर्ड

प्रेस निविदा क्रमांक संख्या : 08

दिनांक : 08.11.2016

व.कार्यकारी अभियंता,ओ एण्ड एम मंडळ, बीबीएमबी धूलकोट अम्बाला शहर -134007- हरियाणा द्वारा मोहरबंद निविदाएं सिविल ठेकेदारों से निविदाएं खुलने की तिथि तक सभी संशोधनों को ध्यान में रखते हुए आईटम रेट के आधार पर निम्नलिखित कार्य के लिए आमंत्रित की जाती हैं :

कार्य का विवरण	अनुमानित राशि (रु)	धरोहर राशि	मान्यता	पूर्ण अवधि	खोलने की तिथि
एस.एल.डी.सी. कम्पलैक्स बीबीएमबी चण्डीगढ में स्थित शौचालयों के नवीनीकरण व बदलने हेतु ।	रु 4.76 लाख	रु 4800/-	90-दिन	3-माह	08.12.2016 15:30 बजे

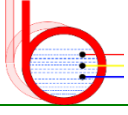
1. निविदा प्रलेख व.कार्यकारी अभियंता, ओ एण्ड एम मंडळ, बीबीएमबी धूलकोट अम्बाला शहर - 134007- हरियाणा के कार्यालय से किसी भी कार्य दिवस में दिनांक 06.12.2016 तक (9:00 AM to 5:00PM) 1000/- (Rs. One Thousand Only Non-Refundable) का नकद भुगतान करके या डिमांड ड्राफ्ट द्वारा जोकि Accounts Officer BBMB Dhul kote (Anbala City) के पक्ष में हो तथा अंबाला शहर स्थित किसी भी scheduled bank में payable हो, भेज कर प्राप्त किया जा सकता है । यह दस्तावेज बीबीएमबी की वेबसाईट www.bbnb.gov.in से भी ले सकते हैं ।
2. निविदा प्रलेख प्राप्त करने हेतू प्रार्थना पत्र के साथ ठेकेदार को PAN Card की प्रतिलिपि व निम्नलिखित documentary evidence संलग्न होने चाहिए :-
ठेकेदार द्वारा पिछले 3-साल में tendered value की राशि तक के सिविल कार्य सफलता पूर्वक पूर्ण किए होने चाहिए ।
3. निविदा दिनांक 08.12.2016, 13:00 बजे तक व.कार्यकारी अभियंता,ओ एण्ड एम मंडळ, बीबीएमबी धूलकोट अम्बाला शहर-134007- हरियाणा) के कार्यालय में पहुंचनी चाहिए । निविदा दिनांक 08.12.2016 को 15:30 बजे ठेकेदारों या उनके प्राधिकृत प्रतिनिधियों के समक्ष खोली जाएंगी ।
4. यदि इस दिन अवकाश हो जाता है तो निविदाएं अगले दिन उसी समयानुसार प्राप्त/ खोली जाएंगी ।
5. विभाग को बिना कोई कारण बताए निविदाएं रद्द करने का अधिकार है ।

(ई.रविन्द्र श्योकन्द)

व.कार्यकारी अभियंता

ओ एंड एम मण्डल, बीबीएमबी

धूलकोट, अम्बाला शहर ।



भाखड़ा ब्यास प्रबन्ध बोर्ड (विद्युत खण्ड)
आई.एस./आई.एस.ओ. 9001, 14001 प्रमाणित बोर्ड
(सांविधिक निकाय, ऊर्जा मंत्रालय, भारत सरकार)



भाखड़ा ब्यास
राष्ट्र गौरव

कार्यालय : व.कार्यकारी अभियंता, ओ एण्ड एम मण्डल, धूलकोट (अम्बाला शहर) -134007
Office of : Sr.Executive Engineer, O&M Division, Dhulkote (Ambala City)
Telefax : 0171-2540355, Email : xenomdkt@bbmb.nic.in

सेवा में,

संयुक्त निदेशक, जन सम्पर्क,
सेक्टर-19 बी, मध्य मार्ग, बीबीएमबी चण्डीगढ़ ।

क्रमांक :

दिनांक :

विषय:- निविदा आमंत्रण सूचना संख्या 08 ओ एंड एम मण्डल बीबीएमबी धूलकोट (अम्बाला)
दिनांक 08.11.2016 के प्रकाशन हेतु ।

विषय संबंधित निविदा आमंत्रण सूचना की दो प्रतियाँ हिन्दी व अंग्रेजी में निम्नलिखित

समाचार पत्रों में प्रकाशन हेतु भेजी जाती है जी :

क्रमांक सं	समाचार पत्र का नाम	प्रकाशित होने वाले क्षेत्र का नाम	भाषा
01	Hindustan Times	Chandigarh	English
02	The Indian Express	Chandigarh	English
03	पंजाब केसरी	चण्डीगढ़/ अम्बाला	हिन्दी
04	दैनिक भास्कर	पानीपत/ अम्बाला	हिन्दी

उपरोक्त आपको अति शीघ्र कार्यवाही हेतु प्रेषित है जी तथा इस कार्य पर होने वाला व्यय ओ एंड एम मण्डल बीबीएमबी धूलकोट (अम्बाला) के कार्यालय के आक्समिक खर्च को प्रभारित होगा ।

संलग्न/ उपरोक्तानुसार

(ई.रविन्द्र श्योकन्द)
व.कार्यकारी अभियंता,
ओ एण्ड एम मंडल,
धूलकोट (अम्बाला)

प्रतिलिपि : 1. मुख्य अभियंता/ पारेषण प्रणाली बीबीएमबी चण्डीगढ़ ।
2. उप मुख्य अभियंता/ ओ एंड एम सर्कल बीबीएमबी जमालपुर ।
3. EDP मैनेजर, Computer Cell बीबीएमबी चण्डीगढ़ को e-mail द्वारा इस अनुरोध के साथ कि विषय चर्चित निविदा आमंत्रण सूचना को www.bbmb.gov.in पर डाला जाए ।

Contents of Work

Sr. No.	Description	Qty.
1	Dismantling of floor tiles at any floor of the building laid in cement mortar including dismantling of cement concrete base and disposal of malba at a suitable place within the distance of 100 mtrs of the complex complete in all respects (Ref 30.95) New chapter L/R	26.12 m ²
2	Dismantling of wall tiles at any floor of the building laid in cement mortar including scraping of cement plaster and disposal of malba at a suitable place within the distance of 100 mtrs of the complex complete in all respects(Ref 30.94) New chapter L/R	78.24 m ²
3	Scraping © Cement plaster (Pb. CSR Ref. no. 8.31 c) L/R	11.44 m ²
4	Removing Doors and Windows (Steel or wood) with chowkhats by making recesses in walls when the wall is not to be dismantled. Ref (8.26 a) L/R a) Doors of area 3 sqm and below.	6 nos
5	Dismantling brick work tile masonry or tile lining. In cement. Ref (8.5 b) L/R	0.19 m ³
6	Dismantling Sanitary fixtures such as European/ Orissa/Indian WC, PVC/ China ware cistern, Wash hand Basin. Urinal pots, Sink and CP fittings and disposal of dismantled material within the distance of 100 mtr complete in all respects as reqd by Engineer-in-charge Ref 30.88) L/R New chapter a) European/ Indian/ Orissa WC b) PVC/ China ware cistern c) Wash Hand basin/ Urinal Pot e) CP Bib cock/ Angle cock/ Stop cock/ Shower/ bottle trap g) Bathroom accessories such as soap dish, Towel rail, Towel ring, Towel bracket, Mirror, Toilet paper holder, Seat cover Jet pressure and all other accessories.	4 nos 4 nos 8 nos 27 nos 5 nos
7	Dismantling, disjoining, removal of GI pipe lines specials valves and fittings complete in all respects Ref (28.63) L/R New chapter a) 15 mm i/d of pipe line	12 mtr
8	Cutting chase in brick walls in cement or in floor for embedding GI or CI pipes line and making good the same to its original condition Ref (30.85) L/R New chapter a) Size 75 mm x 75 mm	24.43 mtr
9	First class burnt brick work laid in cement sand mortar 1:6 in first storey upto 4 metres above Plinth level. Ref (11.4) T/R	2.54 m ³
10	12.5 mm thick cement plaster 1:5 Ref (15.10) T/R	12.92 m ²
11	20mm thick cement plaster 1:5 in two coat Work Ref (15.21) T/R	7.66 m ²
12	Centring and shuttering for flat surfaces such as suspended Floors, roofs, landings, chajjas, shelves etc. Ref (9.8) T/R	4.33 m ²
13	Cement Concrete 1:2:4 with stone ballast or Shingle. Ref (10.12) T/R	0.19 m ³
14	Cold twisted deformed (ribbed/ tor steel) Bars Fe 415 grade as per IS 1786-1985 for R.C.C. works, where not included in the complete rate of R.C.C. including bending, binding, and placing in position complete Ref (18.17) T/R	0.118 qtl
15	Black Granite stone tiles 20mm thick in skirting, risers of steps, dado walls and pillars laid in 12.5mm thick cement mortar1:3 (1 cement 3 sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone, including rubbing & polishing including labour for fixing dowel pins & cramps Ref (14.91) T/R	3.49 m ²
16	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. (Ref.14.71) T/R	26.12 m ²
17	Coloured glazed tiles 20 cm x 20 cm and 5 mm thick in skirting and dado on 12 mm thick cement plaster 1:3 in base an jointed with white cement slurry in joints including bevelled corners. Ref (14.85) T/R	97.33 m ²
18	Providing and fixing in position Chinaware wall hunged European type water closet with P trap or S trap of approved make (to the approval of the engineer-in-charge) with or without 10 ltr chinaware matching flushing cistern and seat cover complete in all respect and the the entire satisfaction of the E-I-C a) Chinaware extended wall mounted EWC with matching chinaware cistern and seat cover complete in all respect. (Ref 30.5(a) T/R	3 nos
19	Providing and fixing in position Chinaware Indian Orissa water closet size 580 mm of approved make (to the approval of Engineer-in –charge) consisting of 10 ltrs PVC flushing cistern including cost of PVC long bend 32 mm dia complete in all respect and to the entire satisfaction of E-I-C Ref (30.2)T/R New chapter	2 nos

20	Providing and fixing in position vitreous Chinaware white Lavatory suites of approved make (to the approval of Engineer- in- charge) including brass studs without CP Fittings complete in all respect Ref (30.36) T/R New chapter iii) Size 630mm x 450 mm	1 no
21	Providing and fixing in position vitreous Chinaware white Lavatory suites of approved make (to the approval of Engineer- in- charge) including brass studs without CP Fittings complete in all respect Ref (30.36) T/R New chapter ix) size 560 x 450 mm (under counter oval)	5 nos
22	Providing and fixing in position Stainless steel sinks of approved make (to the approval of EIC) 1 mm thick grade 304 (18/8) with waste coupling complete in all respects. Ref (30.47c) T/R New chapter (C)Sink with drain Board overall size 1050 x 450 mm, bowl size 425mm x 350 mm x 188 mm	1 no
23	Providing and fixing in position 15mm CP Brass laboratory cock swan neck of approved make (to the approval of EIC) complete in all respects Ref (30.68b) T/R New chapter B) Laboratory cock swan neck two way	5 nos
24	Providing and fixing in position CP Brass Sink Cock with swinging spout (wall mounted) of approved make (to the approval of EIC) complete in all respects Ref (30.48 A) T/R New chapter	1 no
25	Providing and fixing in position 32 mm dia GI waste pipe embedded in wall upto floor level including cost of fittings complete as required by Engineer-in-charge. Ref (30.42A) New chapter (T/R)	6 nos
26	Providing and fixing in position 5 mm thick bevelled edge mirror of superior glass (of approved make) complete with 4 mm thick hard board backing fixed in with rawl plug 50 mm , CP brass screws and washers and S/S studs on top complete in all respects (as required by Engineer-in-charge) Ref (30.61) T/R New chapter (C) Size 1500 x 600 mm or any other size.	2.94 m ²
27	Providing and fixing in position 15 mm i/d bib cock of approved make (to the approval of Engineer-in-charge) complete in all respects ref (30.65A) T/R New Chapter ii) CP brass bib cock without flange.	6 nos
28	Providing and fixing in position stop cock/ angle valve of approved make (to the approval of engineer-in-charge) complete in all respect. C) CP Brass 15mm angle cock without flange. Ref.30.66 (c) New chapter T/R	21 nos
29	Providing and fixing in position CP Brass, bottle trap 32mm dia with 40mm seal of approved make (to the approval of Engineer-in-charge) complete in all respect. (Pb CSR Ref.30.44 (A) New chapter T/R	6 nos
30	Providing and fixing in position paper holders of approved make (to the approval of Engineer-in-charge) fixed in to wall with CP brass screws complete in all respect. (a) CP Brass toilet paper holder. Ref.(30.57 (a) New chapter T/R	1 no
31	Providing and fixing in position towel rails/ ring of approved make (to the approval of Engineer-in-charge) fixed in with rawl plugs embedded in walls with brass screw complete in all respect. a) CP Brass towel rails size 15mm dia 600 mm long Ref.30.58(a) New chapter T/R	3 nos
32	Providing and fixing in position CP Brass soap dish of approved make (to the approval of engineer-in-charge) fixed into wall with rawl plugs and CP Brass screws complete in all respect. Ref.(30.60) New chapter T/R	1 no
33	Providing and fixing in position CP copper tube connection of approved make (to the approval of Engineer-in-charge) complete in all respects. Ref (30.73) T/R New chapter (c) CP copper tube connection of size15 mm x 450 mm with CP brass nut	21 nos
34	Providing and fixing in position SS Grating with frame of approved make (to the approval of Engineer-in-charge) complete in all respect (Previously item no.30.104) Ref.30.80 T/R New chapter	11 nos
35	Providing and fixing HCI Floor traps conforming to ISI specification (IS:1729) of approved make (to the approval of Engineer-in-charge) of the self-cleaning design with CP brass hinged grating with frame with or without vent arm and including cement concrete 1:2:4 under and around the floor trap where required upto floor level complete in all respects including cutting and making good the walls and floors etc minimum depth of water should be 150mm with minimum seal 50mm with 75mm i/d outlet shallow seal. (Ref.30.79 (b) New chapter T/R	11 nos
36	Providing, stringing out PVC pipes ISI marked as per ISI-4985 premium make such as Supreme / Finolex / Prince) casting along the trenches and laying the same in trenches to correct alignment and gradients ,cutting, jointing and testing complete as per specifications Ref (28.13A) (iii)(iv) T/R New chapter (iii) 90 mm o/d pipe of 10 kgf./ sqcm (iv) 110 mm o/d pipe of 10kff. / sqcm	9.00 mtr 3.00 mtr

37	Excavation manually in trenches for pipe lines with straight or open cutting in streets and lanes in built up area where width of street / lane from wall to wall is less than 3 m Including trimming and dressing sides levelling of beds of trenches to correct grade , cutting joint holes , refilling consolidation watering , including cost of dewatering of rain water diversion of traffic, night signals . providing and fixing caution Boards , watching fencing etc & removal of surplus soil from the site upto 15 m distance complete in all respects Ref (28.1) L/R a) Earth work upto 1.5 m depth i) All classes of soil except rocky.	7.13 m ³
38	Providing and fixing in position vitreous Chinaware white channel of approved make (to the approval of Engineer- in – charge) of size 600 mm x 100 mm including laying and fixing in cement concrete 1:2:4 complete in all respects Ref (30.100) T/R New chapter	4 nos
39	Providing and fixing jet spray with 2'-6" long PVC pipe. (a) With PTMT Nut (Ref.30.8 (b) New chapter T/R	3 nos
40	Extra providing & fixing GI pipe 32 mm waste pipe for urinals including elbow reducer etc complete in all respects Ref (30.19a) T/R new chapter	3 nos
41	Providing, laying jointing fixing & testing ISI marked GI pipes (as per IS 1239) B- class premium make such as (Jindal Hissar) including cost of specials (such as tee. Bends , sockets, elbows etc) painting with anti-corrosive bitumastic paint, testing cutting threading inside building complete Ref (28.35) T/R New chapter a) 15 mm i/d	52.80 mtr
42	Providing and fixing in position CP brass flanges of approved make (to the approval of Engineer-in-charge) complete in all respect under various fixture Ref.(30.64 A)T/R New chapter	27 nos
43	Providing fixing & jointing GI union couplings (of approved make with the approval of EIC) as per IS 1789 in GI pipe lines complete in all respects Ref (28.40) T/R New chapter a) 15 mm i/d GI union	2 nos
44	Providing fixing & jointing ISI marked gun metal Peet valve (Heavy pattern) as per IS 778 with hand wheels on GI pipe lines laid in ground or inside building including all carriage complete. Ref (28.43) T/R new chapter a)15 mm i/d gun metal peet valve heavy pattern	2 nos
45	Providing & fixing in position GI Tank nipple of approved make (to the approval of EIC) in PVC water storage tank complete in all respects Ref (30.98a) T/R new chapter (a) GI tank nipple 15mm i/d	1 no
46	Providing & fixing in position automatic brass ball cock in tanks Ref (30.96b) T/R New chapter (i) Brass ball cock with rod and plastic ball 15 mm i/d	1 no
47	Providing, laying in trenches to correct gradient and alignment and jointing of UPVC Pipes having ISI Specifications IS: 15328-2003 CLASS-sn-8 marked supreme,Finolex, Kissan , jain, prince or equivalent good on them & laying the same in trenches to correct alignment and gradient, cutting and jointing ,testing for water tightness and making good the leakage and defects including the cost of specials (specials and solvent should be of same make as that of pipes complete in all respects.(Ref.29.65 a) T/R (a) 110 mm o/d pipes	52.80 mtr
48	Providing & fixing in position gully traps fixed in c.conc. 1:4:8 complete with grating 150mmx150mm, cover frame clear opening 300mmx300mm and out of side size 330mmx330mm and chamber including cost of all bricks work in cement mortar 1:5 c.conc.1:2:4 in coping around cover and frame etc. As per standard design minimum depth of water should be 150 mm with a seal 50mm. b) 100mm internal Diameter H.C.I. gully trap with H.C.I. grating and cast iron cover weighing approximately 7.26 kg. and frame clear opening 300mm x 300mm & out of side size 330mm x 330mm (Ref 30.99 (b)T/R	2 nos
49	Providing and Fixing ceiling consisting of 600mmX600mmX12.5mm thick Gypsum Board GI Cradling hanged from the ceiling by means of GI hanger complete as per drawings ,specifications and to the entire satisfaction of engineer-in- charge. Ref (13.65) T/R	7.11 m ²
50	Construction of brick masonry inspection chambers size as given below upto 0.60mtr average depth in 1:5 cement sand mortar lime concrete with 40% lime mortar 2:3 in foundation cement concrete 1:2:4 benching 12.50 mm thick cement plaster !:2 with a floating coat of 1 mm thick of neat cement. RCC 1:2:4 slab 100 mm thick cement concrete topping 50 mm thick with 455x455 mm, 455x610 mm inside light duty CI inspection chamber cover and frame (weight as per IS specification) painted with 3 coats of black bituminous paint confirming to ISI complete as per standards design. b) 450mm x600mm inside with 455mmx610mm cover and frame medium duty double seal Ref (29.89b) T/R New chapter	1 no

51	Providing & fixing aluminum work for Doors, windows, ventilators & 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 EIC, 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 reqd. PVC Plug/neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitered & jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing/ paneling, C.P.brass /stainless steel screws, all complete as per architectural drawings and the directions of E.I.C.(Glazing and paneling to be paid for separately) Ref (17.45a) T/R (a) For fixed portion and chaukhats	60.17 kg
52	b) For shutters of doors, windows & ventilators including providing & fixing hinges/pivots & labour for fixing of fittings wherever required including the cost of PVC Plug /neoprene gasket required (Ref 17.45 b) T/R	62.57 kg
53	Providing and fixing 12mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides(Ref 17.46 (ii) T/R	11.55 m ²
54	Cost of Aluminium fittings complete for Doors, windows such as tower bolts, handless and screw etc. for these fittings (Excluding sliding bolt (Ref.. 17.23 (ii) T/R For shutter area above 0.50 sqm	10.10 m ²
55	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 : Ref (17..49 B) T/R 250mm x 16mm	6 nos
56	Scraping White wash and colour wash Ref (8.31a) L/R ceiling	101.61 m ²
57	Preparation of plastered or concrete surface for painting (including sand papering the surface) using ready mixed cement based wall putty by applying two coats to get required finish Ref (16.66) T/R	101.61 m ²
58	Distempering with Acrylic washable oil bound distemper (of approved manufacture) two coats over one priming coat to give an even shade Ref (16.11) T/R	101.61 m ²
59	Painting two coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade. Ref (16.18)T/R a) With special quality paint	12.39 m ²
	Difference of rates of cement, steel & bricks (+/-) as applicable	Actual consumption

(ई.रविन्द्र श्योकन्द)
व.कार्यकारी अभियंता,
ओ एण्ड एम मंडळ,
धूलकोट (अम्बाला)