



इरकॉन इन्टरनेशनल लिमिटेड

(भारत सरकार का उपक्रम)



IRCON INTERNATIONAL LIMITED

(A Govt. of India Undertaking)

An integrated Engineering and Construction Company

Project Office: House No. 59, Ashoka Lifestyle, Dharampura-3, Jagdalpur-494001 Dist: Bastar (C.G.)

Phone No. : 07782-229577, Email-Ircon.2062@lrcon.org, GSTIN-22AAAC10684H2ZV.

IRCON/2070/NSL/PKG IV/Bal_works/Staff qtrs & Serv_Blds/1880

(By speed post & Email)

To,

M/s ARCOMA

Shop No 003, Sai Sadguru,

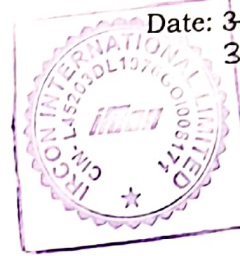
CHS Plot No 281, Lane No 08,

Nilgiri Marg, Sector 21, Nerul,

Navi Mumbai, Maharashtra- 400706

E-mail : arcomainteriors@hotmail.com & arcomainteriors@gmail.com

Phone/Mob: 91 - 022 - 65194585/91-8451876144 & +91- 9820367718



Date: 31.05.2025

31.07.2025

Final - 31/7/2025

Attn.: Mr. PEER MOHMAD ABDUL GAFUR SAIKH

Sub: "Construction of balance works of Staff Quarters & Service Buildings along with allied works in Package IV in connection with "Construction of Private Railway Siding for NMDC Steel Limited's Integrated Steel Plant at Nagarnar near Jagdalpur in Chhattisgarh"- **LETTER OF ACCEPTANCE**

Reference No.

1. Tender Notice No. IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025.
2. Your Bid ID (863492), Dated 19-06-2025
3. LOI No. IRCON/2070/NSL/PKG IV/ARCOMA/LOI/, Dated: 11.07.2025
4. Subcontractor's approval of NSL NO. NSL-IRCON/Pkg-IV/ARCOMA/25-26/655, Dated 24.07.2025.

Dear Sir,

This is to inform you that competent authority of Ircon International Limited has accepted your offer 19-06-2025 for aforesaid Tender at a total cost of **Rs. 9,21,64,466/- Plus GST @ 18% amounting to Rs 1,65,89,604/-, Totalling to Rs 10,87,54,070/-** (Rupees Ten Crore Eighty Seven Lakhs, Fifty Four Thousand and Seventy Only) details enclosed as **Annexure-A**.

1. SCOPE OF WORK: [Ref SCC Clause no 2]

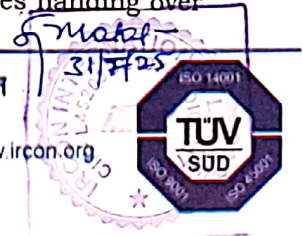
The scope of work/contract includes Construction of OHE Depot near Railway Station Jagdalpur, Construction of New Block Station at Chowkawda near NSL Nagarnar, Construction of Water Sumps & its connection with service buildings & staff quarters near new block station at Chowkawada near NSL Nagarnar, Construction of Electrical Panel Room near New Block Station at Chowkawada near NSL Nagarnar, Construction of Bore wells and its connection with Water sumps & balance works of 122 Units of all ready constructed Staff Quarters (These 122 units of staff quarters are already constructed in all respect including sanitary fittings excluding electrical fittings) to enable it to handing over it to Railways/NSL as per requirements of Railway officials, So, scope also includes handing over of the 122 nos. of staff quarters as per SCC clause 24.

पंजीकृत कार्यालय : सी-4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली-110017, भारत

Registered office: C-4, District Center, Saket, New Delhi-110017, INDIA

Tel: +91-11-29565666, Fax : +91-11-26854000, 26522000, E-mail: info@lrcon.org, Web : www.lrcon.org

CIN - L45203DL1976GOI008171



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The work mainly includes: Earthwork in excavation/Filling, Plain Cement concrete, Reinforced Cement Concrete with steel, along with other building works like Brick work, aluminium works, MS grills, fencing, parking sheds, water supply works, sanitary fittings, bore well along with construction and its connection with sump and buildings, drain & retaining wall works for drain out of waste water of service buildings other allied works related to buildings, water sump, borewell & its connections, drain works etc as specified in BOQ & SCC clause 24.

Any other incidental / ancillary Works required in connection with completion of the above as directed by IRCON/Engineer.

The scope given above is only indicative. The detailed scope has been described in the tender documents.

2. MOBILISATION ADVANCE – Not applicable: [Ref SCC Clause no 3]

3. TAXES AND DUTIES (Ref.: SCC Clause no 7 & G.C.C. Clause '56.0','57.0', '62.0', '64.0' and sub-clause no. 4.3, 4.4 and 4.5 of 'Instructions To Tenderers')

3.1 The Contractor shall get registered with the concerned Goods and Services Tax Department of the relevant state(s) of the project and submit a copy of the same to the Employer/Engineer. He shall be responsible for filing Goods and Services tax returns and assessments, as necessary as per prevalent Laws, Rules and Regulations and shall also furnish necessary certificates to Employer/Engineer from time to time. (Refer clause 56.0 (v) of GCC).

3.2 Wherever certain exemptions / benefits are available on custom duty the Contractor shall consider the same while quoting his rates. For instance, materials/ Plant and Machinery etc. used for execution of the projects financed by international organizations enjoy exemption from custom duty under Foreign Trade Policy as Deemed Export on fulfilling the conditions as per Govt. notifications. Similarly, the Contractor shall ensure that whenever any benefits are available under any other law, these shall be considered while quoting the rates.

3.3 GST, TDS & Income tax shall be deducted at source from the payments of the contractor as per the prevailing rules/tariff and a certificate of such deductions Tax Deducted at Source (TDS) shall be issued by the employer.

3.4 GST as applicable shall be paid by the contractor on submission of Tax Invoice(e-invoice) to the concern department within due date and the same should be reflected in IRCON's GST form no 2B within due date. IRCON will withheld GST amount claimed in the bill from respective running account bill. However, this will be released only after the amount of GST is reflected in IRCON's GST form no 2B.

4.0 PRICE ADJUSTMENT (Ref: SCC Clause no 8 & GCC Clause 57.0)

Price adjustment shall not be applicable for this tender. The quoted/accepted rates shall remain firm till the completion of works.

5.0 PERFORMANCE SECURITY [Ref SCC Clause no 9& GCC clause no 8.]

- (i) The successful bidder shall submit a Performance Security (PS) in the form of a Performance Guarantee (PG).



- (ii) The Performance Guarantee shall be in the form of irrevocable Bank Guarantee (BG) on the Proforma annexed as Annexure-II from any Scheduled Bank for an amount of 5% (Five percent) of the contract value (including GST and all other duties & taxes). In case of foreign bidder or in case of Global Tender, if Bank Guarantee is from a foreign bank branch situated outside India, the Bank Guarantee shall be issued through any of the Scheduled Commercial Bank in India. In case BG is issued directly by a bank outside India, it should be in the same currency as the contract, executed on Letter Head of the Bank and should be advised and payable through their Indian Branch/ Corresponding Bank in India. The issuing Bank shall also state the name and designation of the next Higher Authority of the Officials who have issued the BG. This B.G. shall be initially valid upto 60 days beyond the stipulated date of completion. In case, the time for completion of work get extended, the Contractor shall get the validity of P.G. extended to cover such extended time for completion of work plus 60 days.
- (iii) The value of PG to be submitted by the Contractor will not change for variation in contract value (excluding Price Variation) upto 25% of the original contract value (either increase or decrease). In case during the course of execution, value of the contract (excluding Price Variation) increases by more than 25% of the original contract value, an additional Performance Guarantee amounting to 5% (5 percent) of the excess value over the original contract value shall be deposited by the Contractor. If the value of contract (excluding Price Variation) decreases by more than 25% of the original contract value, Performance Guarantee amounting to 5% (5 percent) of the decrease in the contract value shall be returned to the Contractor. The PG amount in excess of required PG for decreased contract value, available with the Employer, shall be returned to Contractor as per his request duly safeguarding the interest of the Employer
- (iv) With respect to para (iii) above, the date on which the Revised Contract Value is approved by Competent Authority will be the effective date from which the Performance Guarantee amount will have to be increased or decreased.
- (v) The successful bidder shall have to submit a Performance Security (PS) within 21 (twenty one) days from the date of issue of Letter Of Acceptance (LOA), but before signing of the contract agreement. Extension of time for submission of PS beyond 21 (twenty one) days and up to 60 days from the date of issue of LOA may be given by the Authority who is competent to sign the contract agreement. However, a penal interest of 12% per annum shall be charged for the delay beyond 21 (twenty one) days, i.e. from 22nd day after the date of issue of LOA. Further, if the 60th day happens to be a declared holiday in the concerned office, submission of PG can be accepted on the next working day.
- (vi) In case the Contractor fails to submit the requisite PS even after 60 days from the date of issue of LOA, award of contract shall be deemed to be terminated, unless otherwise permitted by the "Employer", and the Earnest Money Deposit and other dues payable against that contract shall be forfeited. In case a tenderer has not submitted Earnest Money Deposit on the strength of their registration as a Startup recognized by Department of Industrial Policy and Promotion (DIPP) under Ministry of Commerce and Industry, DIPP shall be informed to this effect.
- (vii) No payment under the contract shall be made to the Contractor before receipt of performance security.
- (viii) In event Contractor commits default/breach in fulfilling Contractual obligations i.e. achieving milestones, default(s) in commencing the work, fails to maintain the required progress, fail to mobilized at site as required, execute bad work or work not done as per



specifications, abandons the work, persistently disregard to instruction of the Engineer or contravenes any provisions of the contract etc., Employer will be entitled to forfeit the performance security and/or may reserve the right to forfeit the performance security.

- (ix) If the Contractor commits any default/breach as aforesaid and the same has been brought in notice of the Contractor in writing, the Employer shall, without prejudice to any other right or remedy available in law or contract, shall be at liberty to forfeit the performance security absolutely, notwithstanding and/or without prejudice to any other provisions in the contract, in addition to action taken under other provisions contained in this contract or otherwise.

All provisions of clause 8.1 of General Conditions of Contract shall remain unchanged.

6.0 RETENTION MONEY [Ref SCC Clause no 10 &GCC clause no 8]

Clause 8.2 (i) of the General Conditions of Contract is as under :

Retention money for all contracts shall be recovered from on account/ final bills of the Contractor @ 10 % of gross value of each bill amount adds upto 5% of the contract value of the work.

All other provision of Clause 8.2 of General Conditions of Contract pertaining to retention money shall remain unchanged.

7.0 COMPLETION PERIOD [Ref SCC clause no 11]

- 7.1 The work is required to be completed within a period of 06 months (Six Months) from the date of issue of letter of acceptance by IRCON The Time given is inclusive of monsoon. The work has to be executed in co-ordination with other agencies working on or near the project.
- 7.2 Along with the tender, the tenderer shall submit his programme for the completion of works within the stipulated completion period.
- 7.3 Within 7 (seven) days of the acceptance of the tender and before the work is commenced, the contractor shall have to submit a detailed programme for the execution of work, for the approval of the employer. The agreement or the approval of the programme by the employer shall not relieve the contractor of any of his responsibilities to complete the whole works by the prescribed time.
- 7.4 The contractor shall commence the works within the period stipulated in the letter of acceptance and execute the works as per the approved programme.

8.0 DEFECT LIABILITY PERIOD [Ref: SCC clause no 12 & GCC Clause 68.0]

The Defect Liability Period for the works in the subject tender shall be 12 (Twelve) months from the date of completion of the complete work as certified by the Engineer-in-charge. The contractor shall be required to make good any defect due to defective workmanship or faults due to faulty construction and notified by IRCON within the above period. In event of failure of the contractor in promptly rectifying the defective work notified by the employer, the employer shall have the full right/liberty to withhold any due payment to the contractor and en-cash the bank guarantees furnished by the contractor. The employer's decision in this regard shall be final and binding on the contractor.



9.0 DEPLOYMENT OF ENGINEERS & PROVIDING VEHICLE TO IRCON [Ref: SCC clause no 13]

- 9.1 The contractor shall provide and keep on the works, during the execution of the works, efficient and competent Engineers to ensure that the work is executed strictly as per provisions of the Contract. It shall be the obligation on the part of the contractor to provide the following minimum Engineering staff at site:

S.N.	Position/Qualification/Experience	Minimum Nos. to be deployed
1	Project Manager – Civil Engineering Graduate with minimum experience of 15 years in the field of civil engineering works involving RCC framed structure, Road Works etc.	1
2	Engineer (Quality Control, Environmental & Safety) – Civil Engineering Graduate with minimum experience of 5 years / Civil Engineering Diploma with minimum experience of 7 years in the field of quality control/laboratory testing for concreting works, earthworks, road works and safety at site.	1
3	Site Engineer (Civil) - Civil Engineering Graduate with minimum experience of 5 years / Civil Engineering Diploma with minimum experience of 7 years in the field in the field of civil engineering works involving RCC framed structure, road work etc.	1+1 =2
4	Surveyor - Civil Engineering Graduate with minimum experience of 5 years / Civil Engineering Diploma with minimum experience of 7 years in the field of survey work.	1

In addition to the above, requisite number of staff for laboratory and other supervisory staff shall be deployed by the contractor.

The technical staff shall be got approved in writing from the Employer (whose approval may be withdrawn any time) for supervision of works and to receive direction from the Employer of the work on behalf of the contractor. The supervisory staff of the contractor will not be changed without the approval of the Employer.

- 9.2 In case, the Contractor fails to deploy sufficient Engineers as described above, the Employer shall be entitled to recover the following amount from the dues of the contractor:-

1	Non-Deployment of Project Manager.	Rs. 80,000/- per month or part thereof
2	Non-Deployment of Engineer (Quality Control, Environmental & Safety)	Rs. 40,000/- per month or part thereof
3	Non-Deployment of Site Engineer (Civil)	Rs. 40,000/- per month or part thereof
4	Non-Deployment of Surveyor	Rs. 40,000/- per month or part thereof



The decision of the Employer as to the period for which the required technical staff was not employed by the contractor and as to reasonableness of the amount to be deducted on this account shall be final and binding on the contractor.

- 9.3 Along with the tender, the tenderer is required to submit the details of Project Manager and other technical staff proposed to be deployed for the execution of works and on award of work the same persons or persons having equivalent qualifications/experience shall be deployed for the execution of work. The contractor shall deploy competent and experience workmen, operators for the execution of works/operation of machinery. The contractor shall make all arrangement for the provision of boarding /lodging for his personnel.
- 9.4 Contractor shall provide 2 nos. of Peon/office boy/Guard for housing keeping & maintenance of site offices /office of IRCON till completion of Works as directed by IRCON. If contractor fails to provide the Peon/office boy within one month from date of issue of LOA, IRCON shall keep 2 nos. of Peon/office boy and recovery will be made @ Rs. 16,500/- per Month +statutory deductions as per govt rule including GST & PF etc for each Peon/office boy/Guard from the R.A. bills of the contractor. Cost of this is deemed to be included in your quoted price.
- 9.5 Contractor shall provide 01 nos. diploma engineer (to be reported to AGM/C(PH)/IRCON). If contractor fails to provide the engineer within one month from date of issue of LOA, IRCON shall keep 01 nos. of diploma engineer and recovery will be made @ Rs. 27,000/- per Month+ statutory requirements as per govt rule including GST & PF etc for each engineer from the R.A. bills of the contractor. Cost of this is deemed to be included in your quoted price.
- 9.6 Contractor shall provide one four wheeler vehicle (Mahindra make scorpio or equivalent) with Driver & POL to Ircon for supervision of works. The vehicle should be with Ircon's custody till completion of Works within one month from the date of issuing LOA. The Vehicle running will be restricted to maximum of 3500 KM/month. The cost of providing and maintenance of vehicle is deemed to be included in your quoted price. If contractor fails to provide the vehicle within one month from date of issue of LOA, IRCON will have right to deploy inspection vehicle, actual expenses per months or Rs. 60,000/- per month whichever higher shall be deducted from the R.A. bills/any amount payable to the Contractor

10. METHOD OF MEASUREMENT AND PAYMENT [Ref Clause no 14 of SCC &Clause no 61 of GCC]

The method of measurement for various items of work is given in the technical specifications. The payment for the various items shall be made for the actual quantities executed and measured as per the above methods. However, the payable quantities for various items shall be restricted to those paid by client to IRCON.

10.1 Payment is subject to receipt from Client.

- (i) Ircon International is executing the work as per the requirement of and at the cost of the Client, NMDC Steel Ltd. as indicated in the Appendix to Bid.
- (ii) Payment to the Contractor will be released after certification of measurements from client NMDC Steel Limited. If the payment received from the Client is in variance with payment made by IRCON to contractor, the difference will be recovered from contractor's subsequent bills.



- (iii) In case of delay in making payment to the Contractor beyond average 56 days, the Engineer will suitably adjust the target date of completion of the affected activity. No other claim whatsoever will be entertained on this account.

11.0 CONTRACT AGREEMENT [Ref SCC Clause no 15]

The contractor shall enter into and execute the contract agreement in the form of agreement (Annexure – I of GCC) within 30 days from the date of issue of Letter of Acceptance. The stamp papers of the requisite value as per the prevailing laws shall be provided by the contractor at his own cost. Original agreement shall be retained by the Employer and certified copy shall be made available to the contractor.

12.0 INSURANCE [Ref SCC Clause no 17]

In terms of Clause 9 of the General Conditions of Contract, the Employer shall obtain a Contractors All Risk Policy (CAR) for the entire contract awarded by the client to the Employer and hence the contractor is not required to take any CAR policy for the work awarded to him by the Employer. However, as provided in Clause 9.3 of the General Conditions of Contract, **other insurances pertaining to plant & Machinery, workmen Compensation, Third Party liability etc. shall be taken by the contractor (successful bidder) at this own cost and the cost towards the same shall be included in the quoted rates.**

The Contractor shall provide evidence to the Employer/Engineer before commencement of work at site that the insurances required under the contract have been affected and shall within 60 days of the commencement date, provide the insurance policies to the Employer/Engineer. The Contractor shall, whenever, called upon, produce to the Engineer or his representative the evidence of payment of premiums paid by him to ensure that the policies indeed continue to be in force.

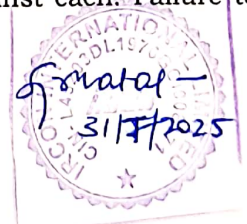
The Contractor shall also obtain any additional insurance cover as per the requirements of the Contract.

The Employer/Engineer shall not be liable for or in respect of any damages or compensation payable to any workman or other person in the employment of the Contractor his sub-contractor, petty contractor. The Contractor shall indemnify and keep indemnified the Employer/Engineer against all such damages and compensation for which the Contractor is liable.

The Policies of the Contractor shall remain in force throughout the period of execution of the works and till the expiry of the defect liability period except for any specific insurance covers necessary for shorter period. If the Contractor fails to effect or keep in force or provide adequate cover as acceptable to the Engineer in the insurance policies mentioned above, then in such cases, the Engineer may affect and keep in force any such insurance or further insurance on behalf of the Contractor. The recovery shall be made at the rate of 1.5 times the premium/premiums paid by the Engineer in this regard from the payment due to the Contractor from the Contractor's Performance Security. However, the Contractor shall not be absolved from his responsibility and/or liability in this regard.

13.0 Milestone Achievements: - [Ref SCC Clause no 20]

In order to ensure progress during execution of the work, the contractor will be expected to achieve the following milestone targets ahead of dates mentioned against each. Failure to



accomplish milestone targets within allocated time frame, save for reasons accepted as valid by the Engineer-in-charge, shall create and constitute ground for failure on the part of contractor for maintaining progress of the work as per agreed programme sufficient enough to recover liquidated damage @ Rs.25,000/-per day after the due date of each mile stone, limited to amount as per clause 49.8(a) of GCC.

S.N.	Structure	Quantity	Completion Milestone by Month					
			MONTHS					
			1st	2nd	3rd	4th	5th	6th
1	Construction of OHE Depot near Jagdalpur Railway Station.	1 nos	Completion of Earth Work for foundation	Complete up to Plinth Beam	Complete all structural components including roof slab	Brick Works & Plastering shall be completed, fencing of boundary & Parking shed shall be completed	Misc. furnishing works including sanitary fittings, flooring & Painting.	Handing Over of Building to NSL
2	Construction of New Block Station at Chowkawada, near NSL plant Nagarnar	1 nos	Completion of Earth Work for foundation & pile caps	Complete up to Plinth Beam including pile cap	Complete all structural components including roof slab	Brick Works & Plastering shall be completed, fencing of boundary & Parking shed shall be completed	Misc. furnishing works including sanitary fittings, flooring & Painting.	Handing Over of Building to NSL
3	Construction of Electrical Pannel Room at Chowkawada, near NSL plant Nagarnar	1 nos	Completion for earthwork for foundations	Complete up to Plinth Beam	Complete all structural components including roof slab	Brick Works & Plastering shall be completed, fencing of boundary & Parking shed shall be completed	Misc. furnishing works including sanitary fittings, flooring & Painting..	Misc. civil works for connection of Electrical fittings if required if any.
4	Construction of Drain /Retaining Wall	complete	Shall be completed in all respect				Connection to Staff Quarters & Service Buildings	Handing Over of Building to NSL
5	Construction of Bore Well	2 nos	Shall be completed in all respect				Connection to Staff Quarters & Service Buildings	Handing Over of Building to NSL
6	Construction of Water Sump	1 no.	Construction of Water Sump all complete				Connection to Staff Quarters & Service Buildings	Handing Over of Building to NSL

31/7/2025

Note:

1. 'Date of Start' (DOS) is the date of Handing over of drawings for construction to the contractor but not earlier than 10 days after issue of LOA. First mile stone will be reckoned at the end of calendar month. Progress of work will be monitored on a proportionate basis for part of the month after the DOS.
2. The liquidated damages to be recovered under SCC clause 20 and SCC clause 21 together would be limited to 5% of the contract value of the work. It is understood that progress in monsoon months between July to September will be slightly less. No penal action will be taken if the progress is made up in the following months.

14.0 DELAYS DUE TO CONTRACTOR AND LIQUIDATED DAMAGES [Ref SCC Clause 21 & Clause no 49 of GCC]

Clause 49.8 (a) of the General Conditions of Contract is as under :

If the Contractor fails to complete the work/ facilities within the time fixed under the Contract or any extension thereof and / or to fulfil his obligations in time under the Contract, he shall be liable to pay as agreed liquidated damages and not by way of penalty a sum equivalent to 0.25 % of total Contract value excluding taxes and duties per week of such delay or part thereof subject to maximum of 5% (Five Percent) of the total Contract value Price excluding Taxes & Duties.

All other provisions of clause 49 of General Conditions of Contract shall remain unchanged.

15.0 Formwork/.Shuttering [Ref SCC Clause 23] :- Rate of all Concrete works are inclusive of formwork/shuttering, hence Necessary formwork/shuttering shall not be measured for payment.

16.0 Handing Over of already constructed 122 units of Staff Quarters to client [Ref SCC Clause 24].

122 unit of staff Quarter has already been constructed by previous agency in all respect except electrical items (electrical items are executed in 36 units out of 122 units) including installation of sanitary fittings at Chowkawada near proposed New Block Station at Nagarnar.

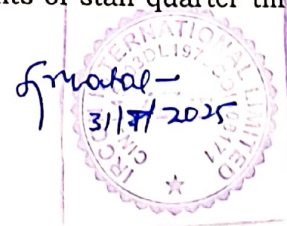
These buildings shall be handed over with last approved measurements to the successful bidder for completing balance works required for handing over these building to Railways/ NSL like connection of water supply inlet pipe lines to water sump constructed by the successful bidder, sanitary outlets shall be connected to the drain etc.

Any missing/miscellaneous work required for handing over these already constructed 122 units of staff quarters to Railways/NSL shall be under scope of the successful bidder.

The additional missing or miscellaneous work required for handing over these already constructed 122 units of staff quarters shall be recorded jointly before execution.

The 122 units of staff quarters shall be under custody of the successful bidder till handing over the same to Railways/NSL. The successful bidder shall require to co-ordinate with electrical contractor to complete electrical works in these buildings under their supervision to prevent theft and damages.

The successful bidder is required to keep sufficient nos. of security guards to prevent thefts from these buildings till handing over to Railways/NSL. Any theft shall be recouped by the successful bidder. Cost of safeguard of components of these 122 units of staff quarter till



handing over to Railway/NSL shall be deemed to considered in your quoted rate, no any extra charges shall be admissible for these works.

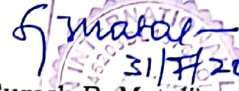
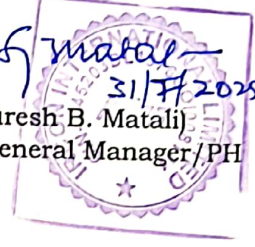
All other terms and conditions contained in the e-tender documents vide "Tender Notice No: IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/Staff Qtr & Service Buildings, Dated: 27.05.2025" shall form part and parcel of the contract.

This letter of acceptance is being sent in duplicate. One copy may please be signed, stamped, and returned to this office as a token of unconditional acceptance.

You are requested to contact the undersigned for further instructions.

Thanking You

Your's Faithfully
For & on behalf of
Ircon International Ltd.


31/7/2025
(Suresh B. Matali)
Addl. General Manager/PH


Enclosure: BOQ at Annexure-A

Copy to ED/Special Works/CO for information.

IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025					
BILL OF QUANTITIES					
Item No	Description	Units	Quantity	Rate	Amount
PART-1 (Buildings)					
(a)	SITE CLEARANCE				
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood,trees and saplings of girth up to 30 cm measured at a height of 1m above ground level and disposal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	2,881.409	22.55	64,975.77
(b)	ANTI TERMITE TREATMENT				
2	Providing & applying Pre-Construction Anti-termite treatment to proposed structure, with application of Imidacloprid 30.5% SC @ 0.075% concentration mixed with water in ration of 1:475, as per detailed specifications given in Indian Railways Standard Specifications, so as to create a chemical barrier below and around the structure by an approved agency. (Plinth area/Basement floor area shall be considered for payment.)	Sqm	1,352.808	100.90	1,36,498.37
(c)	EARTHWORK EXCAVATIONS				
3	Earthwork in excavation by mechanical means(Hydraulic Excavator)/ manual means over areas(exceeding 30 cm in depth. 1.5m in width as well as 10sqm on plan) including disposal of excavated earth, lead up to 50m and, disposed earth to be leveled and neatly dressed.				
	a) For Lift up to 1.50 mt	Cum	2,376.641	122.48	2,91,090.99
	b) For Lift above 1.5mt & Up to 3.0mt	Cum	1,682.771	134.89	2,26,989.00
4	Filling with available excavated earth (excluding rock) in trenches, plinth,sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	Cum	4,059.412	28.03	1,13,785.32
	Note:- If excavated earth is not available i.e. available excavated earth is consumed, contractor shall require to execute item no 4(a) with borrowed earth, only royalty charges in addition of rate of item no 4(a) shall be payable against submission of Royalty Clearance Certificate in case of borrowed earth.				
(d)	PLAIN AND REINFORCED CEMENT CONCRETE				
5	Providing and laying plain cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 40mm and down nominal size) including the cost of shuttering in leveling courses under foundations, pipelines, pits, under floors etc., complete at all levels and locations and as directed by Engineer In charge .	Cum	145.045	3,994.63	5,79,403.03
6	Providing and laying in position machine batched and machine mixed design mix M-25/M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying, including the cost of centering, shuttering, finishing, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.Rate is also inclusive of providing water stopper of approved quality at joint of Wall and Floor while construction of Water Sump as the specified location or as directed by Engineer.				
	Note:- For building works M25 Concrete is required & For Water Sump M-30 Concrete is required.				
	a) All works up to plinth level	Cum	430.888	6,078.12	26,18,989.70
	b) All works above plinth level up to floor V level	Cum	495.308	7,570.35	37,49,653.09
7	Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete				

IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025

BILL OF QUANTITIES

Item No	Description	Units	Quantity	Rate	Amount
	a) Thermo-Mechanically Treated bars up to plinth level.	MT	37.687	66,833.36	25,18,726.87
	a) Thermo-Mechanically Treated bars above plinth level.	MT	51.460	66,833.36	34,39,225.00
8	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement:3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	Sqm	556.353	609.63	3,39,169.48
(e)	STONE AND BRICK MASONRY				
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
	a) With Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	1,497.601	5,183.72	77,63,144.26
10	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.	Sqm	552.945	533.19	2,94,824.74
(f)	STEEL ALUMINUM AND WOOD WORKS				
11	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminum sections shall be smooth, rust free, straight, mitred and 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 Engineer-in-charge. Rate is also inclusive of glazing, paneling, dash fasteners and apply of silicon sealant minimum 5mm depth and 5 mm width all complete.				
	Powder coated aluminum (minimum thickness of powder coating 50 micron)				
	a) For fixed portion	Kgs	1,585.856	480.13	7,61,417.16
	b) For shutters of doors, windows and ventilators including providing and fixing hinges/ pivots and making provision for fixing of PVC / neoprene gasket required. Rate is also inclusive of all fittings & fixtures all complete.	Kgs	620.568	500.10	3,10,346.06
12	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. Rate is also inclusive of cost of aluminum snap beading, with all fittings all complete.				
	a) With float glass panes of 4.0 mm thickness	Sqm	99.158	744.06	73,779.13
13	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners/anchor fasteners of required dia & length. Rate is also inclusive of hold fast lugs or dash fastener/anchor fasteners and all fittings, painting of frame with approved shed in two coat after one primer coat all complete.				
	a) Sal Wood	Cum	1.323	50,011.06	66,146.63

IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025					
BILL OF QUANTITIES					
Item No	Description	Units	Quantity	Rate	Amount
14	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters : Rate is also inclusive of all fitting, painting of flush door of approved shed in two coat after one primer coat of approved quality all complete.				
	a)35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	124.740	1,997.73	2,49,196.84
15	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.- Rate is inclusive of all fitting and fixtures , painting with primer.				
	a)80x1.25 mm M.S. laths with 1.25 mm thick top cover	Sqm	3.000	2,943.95	8,831.85
16	Providing and fixing the following Hardware Fittings of approved make as per relevant IS Code with ISI markings on the fittings:				
	a) Anodized Aluminum Handles				
	i) 100 mm long 10 mm dia	Each	62.000	64.06	3,971.72
	b) Aluminum tower bolts of approved color anodized.				
	i) 150 mm long 10 mm dia	Each	39.000	77.66	3,028.74
	c) Aluminum hanging floor door(Single rubber) stopper, ISI marked, anodized. (anodic coating not less than grade AC 10 as per IS : 1868)transparent or dyed to required color and shade, with necessary screws etc. complete.	Each	36.000	29.59	1,065.24
	d)Aluminum sliding door bolts, ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required color or shade, with nuts and screws etc. complete :				
	i) 300 X 16 mm	Each	36.000	242.46	8,728.56
	e) Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each	36.000	665.81	23,969.16
(g)	PLASTERING AND SURFACE TREATMENT				
17	12 mm Cement plaster with 1:4 (1 cement: 4 fine sand)-Rate is inclusive of doing plastering compete as per drawing or as directed by client.	Sqm	7,490.520	117.12	8,77,289.70
18	20 mm Cement plaster of mix :1:4 (1 cement: 4 fine sand),-Rate is inclusive of doing plastering compete as per drawing or as directed by client. Rate is also inclusive making of plaster drip coarse/making grooves etc in plastered surface where required or as instructed by client all complete.	Sqm	1,934.690	164.49	3,18,237.16
19	Dis-tempering with oil bound washable distemper of approved brand and manufacture to give an even shade				

31/7/2025

IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025					
BILL OF QUANTITIES					
Item No	Description	Units	Quantity	Rate	Amount
	a) New work (two or more coats) over and including water thinnable priming coat with cement primer.	Sqm	7,490.520	74.41	5,57,369.59
20	Finishing walls with water proofing cement paint				
	a) New work (Two or more coats applied @ 3.84 kg/10 sqm).	Sqm	1,934.690	49.42	95,612.38
(h)	FLOORING				
21	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colors such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	Sqm	202.613	766.49	1,55,300.46
22	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make in all colors, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with Grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	213.225	948.27	2,02,194.87
23	Providing and laying vitrified floor tiles in 500mm X 500 mm sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colors and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	Sqm	952.604	1,287.80	12,26,763.69
24	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume. Hardening compound is mixed @ 2 litre per 50kg of cement or as per manufacturers specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. Complete.	Sqm	208.926	319.55	66,762.43
25	Cement plaster skirting 18mm thick upto 30cm height, with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement.	Sqm	5.002	241.94	1,210.27



IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025					
BILL OF QUANTITIES					
Item No	Description	Units	Quantity	Rate	Amount
(i)	WATER PROOFING WORKS				
26	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs c) After two days of proper curing applying a second coat of cement slurry using 2.75kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fiber cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge :				
	a) With average thickness of 120mm and minimum thickness at khurra as 65 mm.	Sqm	672.590	890.57	5,98,988.52
(j)	MISC. WORKS				
27	Providing and fixing on wall face un plasticized Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion,(i) Single socketed pipes. Rate is also inclusive of all its fittings, bends, shoe, tees & other fittings etc required to exeucte this item complete				
	b) 110 mm dia.	Rmt	413.310	279.43	1,15,491.21
28	Providing and fixing CI gratings of weight not less than 440 gms to rain water pipes on terrace including finishing smooth all round with neat cement etc,complete.	Each	13.000	62.70	815.10
(k)	Sanitary Services (Rate shall be inclusive of all fittings in all items)				
29	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : Rate is also inclusive of all fittings and PVC connection pipes & other fittings etc required to exeucte this item complete				
	a) W.C. pan with ISI marked white solid plastic seat and lid	Each	6.000	3,399.60	20,397.60
30	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass,including paintings of fittings and cutting and making good the walls and floors wherever required. Rate is also inclusive of all fittings/fixtures and PVC connection pipes & its fittiings , waste pipes & its fittings & other fittings etc required to exeucte this item complete				
	a) Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Each	5.000	5,571.52	27,857.60

5/2025
31/7/2025

IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025					
BILL OF QUANTITIES					
Item No	Description	Units	Quantity	Rate	Amount
31	S.C.I. gully or nahani grating 100 mm dia	Each	16.000	300.62	4,809.92
32	Supplying, laying and fixing in position under floor against wall in chases PVC SWR drainage pipes and specials & rubber rings of approved make confirming to IS:13592 (Class A) Supreme or approved equivalent make as per manufacturers specification including cutting the pipes to the required lengths, necessary excavation, chasing & restoring the original condition, testing, clamps if necessary cowl etc., (specials at junctions of lateral pipes and vertical stack must have access door for inspection).				
	a) 100 mm dia	Rmt	240.000	278.71	66,890.40
33	Providing and fixing soil, waste and vent pipes :				
	a) 100 mm dia	Rmt	60.000	313.69	18,821.40
34	Supplying and fixing of PVC cowl of Class-A , conforming to IS:13592 or of the following of approved brand, quality etc., all complete.				
	a) 110 mm dia	Each	30.000	159.77	4,793.10
35	Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever Required : Rate shall also be inclusive of all it PVC pipe and its fitting, waste water pipe with fittings & other fittings etc required to exeucte this item complete				
	White glazed fire clay kitchen sink of size 600x450x250 mm	Each	1.000	2,799.81	2,799.81
(L)	WATER SUPPLY SERVICES (Rate shall be inclusive of all fittings in all items Complete)				
36	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : Rate is also inclusive of all its fitting PVC connection pipes & its fittings, waste water pipe with fittings & other fittings etc required to exeucte this item complete				
	a)White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Each	18.000	2,273.01	40,914.18
37	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete with all fittings complete	Each	8.000	718.44	5,747.52
38	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore, with all fittings complete	Each	34.000	483.82	16,449.88
39	Providing and fixing C.P. brass bib cock/angle cock/angle stop cock of approved quality conforming to IS:8931 : a) 15mm nominal bore with all fittings complete	Each	34.000	448.26	15,240.84
40	Providing and fixing PTMT liquid soap container 109 mm wide,125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and color, weighing not less than 105 gms.	Each	8.000	240.97	1,927.76

IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025					
BILL OF QUANTITIES					
Item No	Description	Units	Quantity	Rate	Amount
41	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement.	Each	8.000	234.84	1,878.72
42	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and color. a) 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	Each	8.000	452.72	3,621.76
43	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.				
	a) 20mm dia nominal bore	Rmt	1,062.000	239.04	2,53,860.48
	b) 25mm dia nominal bore	Rmt	697.000	304.84	2,12,473.48
44	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
	a) 25mm dia	Each	7.000	413.80	2,896.60
45	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Per Lt	6,000.000	9.77	58,620.00
46	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet with shower arm and all its fittings complete.				
	100 mm diameter	Each	1.000	331.64	331.64
(M)	SEWAGE DISPOSAL (Rate shall be inclusive of all fittings in all items Complete)				
47	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design : a) With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Each	22.000	971.19	21,366.18
48	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : a) With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Each	30.000	4,957.79	1,48,733.70

5/2025
31/7/2025
14/08/2025

IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025

BILL OF QUANTITIES

Item No	Description	Units	Quantity	Rate	Amount
49	Providing and fixing 100mmX1000mm square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	52.000	1,625.46	84,523.92
50	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :		0.000		0.00
	a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	6.000	13,200.00	79,200.00
51	Making soak pit 2.5 m diameter 3.0 meter deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.				
	a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	3.000	16,288.06	48,864.18
PART-II - FENCING WORKS					
52	Earth work in excavation in foundation of fencing to desired profile including back filling, compaction of backfill, and disposal of surplus earth upto a lead of 5 Km. The work shall be completed as per the directions of Engineer-in-charge at site.	cum	65.000	220.00	14,300.00
53	Supplying of precast R.C.C. Standard posts (for barbed wire fencing) 1.8m long at site including rate of labour, lead, lift, royalties and taxes complete.	nos	480.000	720.00	3,45,600.00
54	Providing 1.8m high fencing with 2.4m R.C.C. Post placed every 3m apart, embedded in cement concrete blocks, every 15th post (or nearer if there is abrupt change of ground slope), last but one end post and corner post shall be strutted on both sides and end post one side only, and struts embedded in cement concrete blocks, provided with 5 horizontal lines and two diagonals of G.I barbed wire 9.38kg per 100meters (min) between the two posts fitted and fixed with G.I staples on turn buckles or G.I binding wire tied to 6mm bar nibs fixed while casting the post (cost of posts, struts and concrete to be paid separately).	metre	100.000	88.00	8,800.00
55	Extra for supplying and fixing turn buckles and straining bolts for barbed wire fencing etc. complete as directed by Engineer-in-charge. The rate is inclusive of all labour, material, taxes, handling of material as required etc. complete.	Each	2,575.000	150.00	3,86,250.00
56	Supplying and fixing of barbed wire weighing 9.83 kg per 100 metre (min) on previously erected posts with wire nails, hooks, stitching bolts, binding wire etc. straight and/or cross pattern. Rate includes leabour, material, transportation, royalties, taxes and drilling of holes in the post wherever required etc. complete as directed by Engineer-in-charge.	per metre of barbed wire	5,500.000	25.00	1,37,500.00

IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025

BILL OF QUANTITIES

Item No	Description	Units	Quantity	Rate	Amount
57	Erection of precast RCC/MS section/Sal balli post upto 2m height including excavation in all types of soil, filling back loose earth and consolidation etc. complete for making the post rigid as directed by Engineer-in-charge. Rate is inclusive of labour, lead, lift, tools & plants etc. Concrete work in foundation to be paid for separately.	Each	480.000	63.00	30,240.00
58	Providing and laying Plain Cement Concrete 1:3:6 with graded stone aggregate of 40 mm nominal size, in foundation, including mechanical mixing, vibrating, shuttering, pumping and bailing out water where ever required with all materials and labour complete as per the drawings and technical specifications as directed by Engineer-in-charge at site. The rate includes cost of cement.	Cum	20.000	4,100.00	82,000.00
PART-III (APPROACH ROADS)					0.00
59	Earth work in filling in embankment with contractors earth of approved quality procured from outside NMDC land, including site clearance, setting out and demarcation of alignment, benching, initial rolling of the subsoil after leveling the surface after site clearance, spreading loose earth in 30cm layers using graders up to extra width of 0.5m beyond designed profile and compaction using vibratory compactors so as to achieve minimum in situ dry density of 98 % of MDD, dressing the top surface to the designed camber & ensuring 2:1 side slope and removal of extra earth from side to provide final formation as per designed profile. The rate shall include site clearance with all leads and lifts cutting of trees with girth up to 60cm, making good of the pockets and depressions left in soil during clearing and uprooting of jungle/trees at site and one round of rolling of sub-soil with heavy roller there after. The rate shall not include cutting of trees of girth beyond 60cm and compaction, which shall be paid Separately.	cum	31,878.829	177.92	56,71,881.26
60	Providing and laying blanketing material of grading as per latest guidelines of RDSO in layers of 25cm in loose state using graders upto extra width of 0.5m beyond the designed profile and compaction using vibratory compactors so as to achieve minimum in situ dry density of 98 % of MDD, dressing top surface to the designed camber & ensuring 2:1 side slope to provide final formation as per designed profile. The rate shall include supply of blanket materials with all leads and lifts, and rate shall not include compaction, which shall be paid separately	cum	5,005.000	519.80	26,01,599.00
61	Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge. 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @3.50% (percentage by weight of total mix) prepared in Drum Type Hot Mix Plant of 60- 90 TPH capacity.	cum	565.000	6,952.05	39,27,908.25
62	Surface dressing on new surface in two coats with bitumen of grade VG-10 of approved quality using 1.8 kg of bitumen per sqm with 1.5 cum of stone chippings 13.2 mm nominal size per 100 sqm of road surface for first coat and 1.1 kg. of bitumen per sqm with 1.00 cu. metre of stone chippings 11.2 mm nominal size per 100 sqm of road surface for second coat, including consolidation of each coat separately with road roller of 6 to 8 tonne capacity etc. complete.	Sqm	3,750.000	277.53	10,40,737.50

IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025					
BILL OF QUANTITIES					
Item No	Description	Units	Quantity	Rate	Amount
63	Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete.	Sqm	3,750.000	82.23	3,08,362.50
PART-IV (DRAINS)					
64	Earth work in excavation for foundations and for side walls of drains, including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation.	cum	7,945.318	161.58	12,83,769.51
65	Providing and laying Plain Cement Concrete 1:3:6 with graded stone aggregate of 40 mm nominal size, in foundation including mechanical mixing, vibrating, pumping and bailing out water where ever required with all materials and labour complete technical specifications as directed by Engineer-in-charge at site. The rate includes cost of cement.	cum	407.486	3,994.63	16,27,755.80
66	Providing and laying in position machine mixed,machine vibrated and machine batched Design Mix Cement Concrete M20 grade (Cast - in Situ) using 20 mm graded crushed stone aggregate and coarse sand of approved quality in cement concrete at floors and walls of drains including shuttering and finishing complete as per specifications and the work shall be completed as per the directions of the Engineer-in-charge at site. Payment for reinforcement will be paid extra. The rate includes cost of cement.	cum	2,449.283	5,036.38	1,23,35,507.67
67	Providing and fixing at or near ground level, Precast M 20 grade cement concrete slabs as per approved design and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), including the cost of required centering and shuttering complete as per the directions of Engineer-in-charge at site. The rate includes cost of cement.	cum	462.090	0.00	0.00
68	Supplying TMT Fe-500 reinforcement steel conforming to IS:1786-1985 including decoiling, straightening, cutting, bending, placing in position, binding with 1mm dia GI binding wire. Note: Reinforcement, shall be measured in length for different diameters used in the works and then paid as per standard weights as per IS 1732. Wastages, overlaps, coupling, welded joints, space bars, chairs and binding wire shall not be measured and cost of these items shall be deemed to be included in the rates.	MT	227.734	66,833.36	1,52,20,228.41
PART-V -Miscellaneous Works (NS Items/Expected Variations for IRCON)					
69	AC sheet roofing fitting with structural steel work for trusses and framed work with Rafter 2L 50X50X6 , Tie 2L 40 X 40 X 6 Web 40x 40x 6 or any other sections etc with as per given drawing all complete. Rate is also inclusive of Cost of Asbestos Cement (AC) Sheet required as per drawing with all fittings all complete.	Kgs	1,500	68	1,02,000
70	Providing and Fixing M.S. grill of required pattern in frames of windows etc with MS flat, Square & Round bars etc. including painting & primer coat of approved steel primer all complete along with all required fittings for fixing it to windows etc complete.	Kgs	1,741	68	1,18,383

Final
31/7/2025

IRCON/2070/NMDC-PKG IV/25-26/E-tender/Balance works/ Staff Qtr & Service Buildings, Dated: 27.05.2025					
BILL OF QUANTITIES					
Item No	Description	Units	Quantity	Rate	Amount
71	Supply and fixing of 100mmX1000mm square-mouth PVC gully trap wherever required, class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Nos	15	1,878	28,163
72	Providing & Fixing of Nahani Traps of self cleansing design with with scewed down or without vent arm complete, including cost of cutting and making good to walls and floors (i) PVC 100mm inlet and 100 mm outlet.	Nos	6	360	2,162
73	Providing & fixing of SS. Drain Jali all Complete	Nos	6	108	646
74	Providing & Fixing of SS Kitchen Sink	Nos	1	6,891	6,891
75	Providing and fixing of steel gate made with plate, angles etc as per drawing all complete	Kgs	500	68	34,000
76	Providing & Fixing chicken mesh weighting not less than 250gm/Sqm as per IS Specification in the required width with 40 mm long steel nails on vertical and horizontal surface near RCC and masonry walls junction including scaffolding and all lift and leads etc all complete before plastering up to 10m height	Sqm	52	565	29,520
77	Providing & Fixing of Mosquito Net on existing aluminum Window, Wood Shutter doors etc with all required fixtues and fitting all complete	Sqm	32	912	28,902
PART-VI-BORE WELL (Rate shall be inclusive of geo survey and guarantee bore for water supply with pipe, boring and it's all fittings all complete)					
78	Construction of Bore Well including drilling, Providing iron casing of approved quality, providing and lowering of iron pipe for bore well of required length up to water table along with screening of filter making of pipe till water table is reached, Providing and installation of 2 HP Motor submersible motore inside bore well, Connection of bore well to water tank /Water Sump of NSL including providing and fixing of UPVC industrial pipe of 150mm dia with 5 Hp Motor of approved quality inside water tank/Water Sump all complete. Rate includes guarantee bore with geological analysis if required i.e. no additional payment for repeated bore in case if bore failed to yield sufficient drinking water or any other failures, rate also includes drilling providing casing, lowering of pipe installation of motor, installation of filter, making of pipe till water table is reached etc all complete. Rate includes cost of iron pipe of required depth for boring, Cost of Industrial type UPVC pipe of approved quality of 150 mm dia, Cost of one nos 2 Hp Motor & 1 nos 5 Hp Motor and any other materials/ components or additional allied works required for construction bore well & its connection to water tank/water sump of NSL complete.	Nos	2	2,75,671	5,51,342
A TOTAL : BALANCE WORKS OF STAFF QUARTERS & SERVICE BUILDINGS[BASIC COST					7,49,30,460
B Contract addition @ 23%above "A"					1,72,34,006
C Grand Total (A+B)					9,21,64,466
D 18% GST of C i.e. (Basic Cost + Contract addition)					1,65,89,604
E Total Cost(Gross Value) Inclusive of 18% GST (C+D)					10,87,54,070

